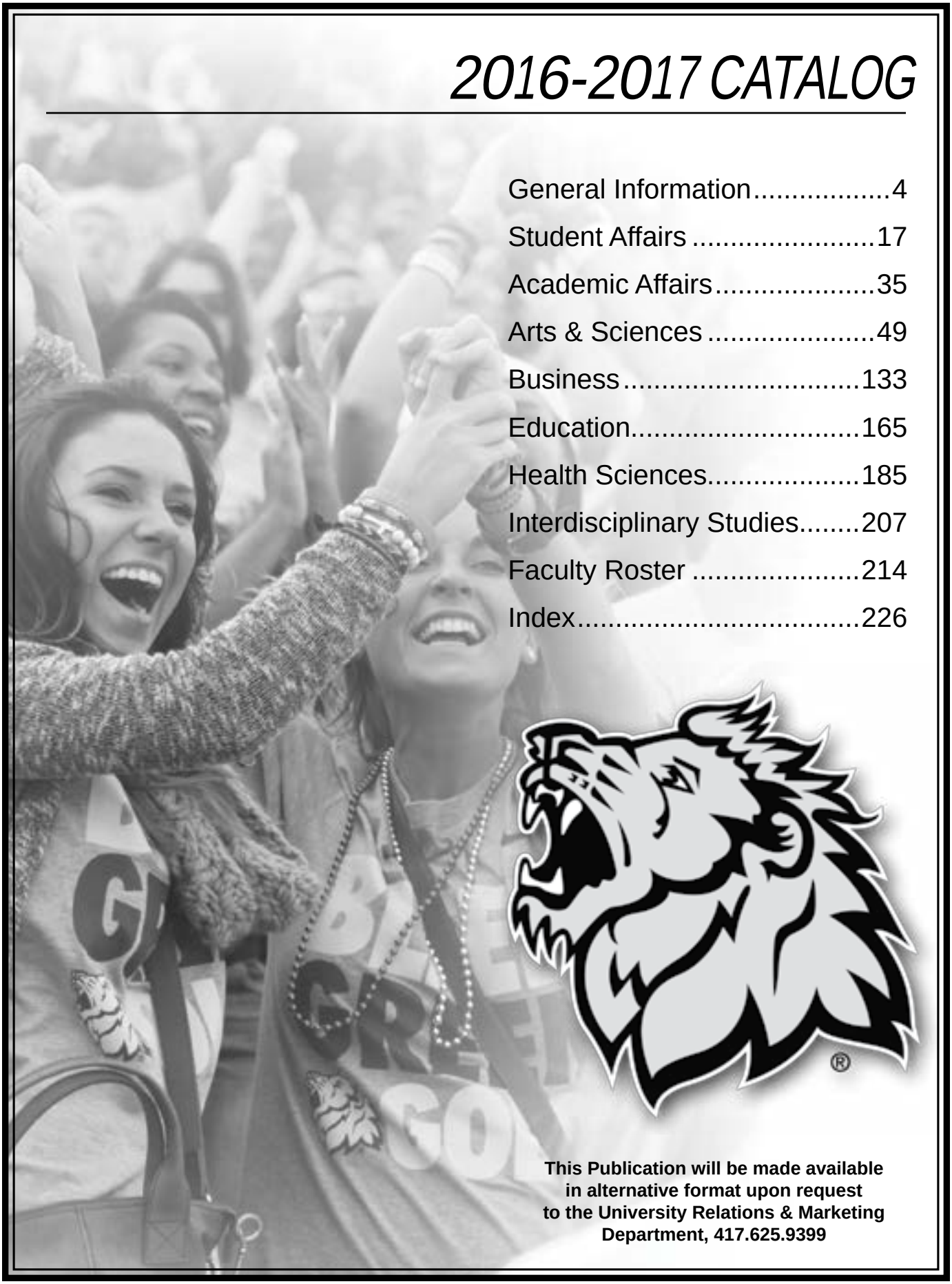
MISSOURI SOUTHERN STATE UNIVERSITY™



2016-2017 COURSE CATALOG

2016-2017 CATALOG



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This Publication will be made available in alternative format upon request to the University Relations & Marketing Department, 417.625.9399



The Missouri Southern State University Statement of Values focuses on a complete commitment to the "academic, personal and career success" of students. We take this charge very seriously and work daily to create the very best university experience possible for our terrific student body.

As a student at Missouri Southern you will find yourself surrounded by talented and energetic professors who are dedicated to guiding students toward the success they desire. You will find this highly gifted group of professionals to be totally committed to providing the very best learning environment possible. The outstanding academic programs they provide are designed to prepare you to compete in a global society and we have every confidence that you will be perfectly prepared to meet the many challenges of a changing world when you complete your program of study.

In addition to outstanding academic programs, we also provide a number of student support services to assist you on your higher education journey. These include assistance provided by the dedicated staff of the Financial Aid Office, Career Services Office, and the Advising, Counseling and Testing Center. You should always feel welcome to ask questions of these individuals because they are truly dedicated to helping you succeed.

The campus also hosts numerous student groups that sponsor a myriad of activities throughout the year. And, the student body is represented by a very active Student Senate that participates in a variety of campus affairs. Students preferring to live on campus enjoy a lively and engaging residence hall community that provides convenient dining facilities and recreational activities. Additionally, the Beimdiek Recreation Center is available to all students and is one of the most attractive and well-equipped recreation facilities in the area. We also have thriving athletic programs, and you can enjoy the fun and excitement of cheering the Lions on to victory in a number of sports.

An emphasis on understanding and appreciating other cultures, international issues, and global perspectives, all combine to support the very important international element of the Missouri Southern mission. This focus on learning to live and succeed in a global community creates a rich sense of diversity on campus and in the surrounding community. Also, as a student here you will have regular opportunities for international studies abroad and many students throughout the years have gained enormous benefits from participating in these travel-to-learn experiences.

All in all, we believe that the programs offered at Missouri Southern do a fantastic job of preparing students for the "academic, personal and career success" identified in our Statement of Values. We invite you to join us on this exciting journey.

If you have questions, please call the Admissions Office at 417-625-9378 or 866-818-6778.

Alan D. Marble, Ph.D.
President

Dear Student,

If you're entering the university for the first time or even coming back after several years' absence, you'll need information in this catalog. It's not the most exciting bedtime reading, but it does pack a lot of information about our academic programs into your university experience.

This catalog and our helpful staff can answer your questions, but here are answers to questions students frequently ask:

1. **Can I get financial help with university costs?**

   Yes, a full range of financial aid programs are available to qualified students. Becca Diskin, Director of Student Financial Aid and her staff can provide you with information and applications in Hearnes Hall, 417-625-9325, finaid@mssu.edu. (Financial Aid, p. 24)

2. **I haven't decided on a major yet. What do I do?**

   Southern has trained academic advisors to help you discover what your best interests and attributes might be. Visit with Kelly Wilson, Director of Advising, Counseling and Testing Services (ACTS), Hearnes Hall, 417-625-9324, wilson-k@mssu.edu. (ACTS, p. 18)

3. **I'm concerned about the transition from high school to college. Is there someone to help?**

   Yes, the Advising, Counseling and Testing Services (ACTS) department can help here too, as well as your University Experience class. Visit with Faustina Abrahams, First-Year Advising Coordinator, Hearnes Hall room 314, 417-625-9521, abrahams-f@mssu.edu. or Teresa Thompson, Director, First-Year Experience Program, Hearnes Hall, 417-625-9731, thompson-t@mssu.edu. (ACTS, p. 18 and/or First-Year Experience Program, p. 26)

4. **Do you have an Honors Program?**

   Southern has an excellent and challenging Honors Program, which includes opportunities for international travel. Talk to Michael Howarth, Director of Honors Program, Taylor Hall 206, 417-625-3005, howarth-m@mssu.edu. (Honors Program, p. 45)

5. **What activities and organizations are available?**

   A host of special events, student activities and departmental organizations are available throughout the year. Drop by the Student Activities Office, Billingsly Student Center, 210. Or contact Landon Adams at 417-625-9346 or adams-l@mssu.edu (Student Activities, p. 29. See also individual departments.)

Additional information is available at the Southern website:
www.mssu.edu

MISSOURI SOUTHERN
STATE UNIVERSITY

Our Mission

Missouri Southern State University is a state-supported, comprehensive university offering programs leading to undergraduate and graduate degrees. Central to our mission is a strong commitment to international education, liberal arts, professional and pre-professional programs and the complementary relationship that must exist among them to prepare individuals for success in careers and lifelong learning.

Vision

Missouri Southern State University will be recognized as a leader in offering undergraduate and graduate degree programs that foster the total education of each student. In order to remain loyal to the trust given to the University by the people of the State of Missouri, Missouri Southern State University will:

- fulfill its mission and objectives in an honorable and ethical manner;
- periodically review its mission in light of contemporary changes in society and in the needs of the people of Missouri and our communities;
- continually assess the effectiveness of its programs in order to ensure their quality and integrity.

Values

International Education

The University prepares its students to be global citizens in fulfillment of its statewide mission.

Liberal Arts Education

The University commits to a comprehensive program of General Education Requirements for all students.

Teaching and Learning

The University provides exemplary teaching and learning as supported by scholarship and creative expression.

Student Success

The University commits to the academic, personal and career success of its students.

Community Service

The University leads the intellectual, creative, cultural and economic advancement of our communities.

International Education

The State of Missouri has designated Missouri Southern State University, through special legislation, as "a statewide institution of international or global education." The university is charged with developing "such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission."

This "international mission," as it is commonly known, enables students to participate in a breadth of international experiences that will prepare them to succeed in an ever-changing global economy.

MSSU provides a variety of short-term and semester-long study abroad programs, including an international student teaching experience for teacher education majors. In order to make its study abroad programs more accessible and affordable, MSSU awards qualifying students $1,000 grants for faculty-led short-term trips and $1,250 grants for students spending an entire semester or year abroad.

Each fall, MSSU selects a particular country or region of the world to become the focus of intensive study. The "themed semesters" bring the world to the university and the community, and allow every student to have a global experience without leaving the campus. Lectures, concerts, plays, films, readings, art exhibits, and other cultural activities from the featured country permeate the fall semester and result in the students becoming true global citizens.

Robust foreign language offerings, including courses and degree programs in Spanish, French, Japanese, and Chinese, give students the opportunity to increase their cultural competency and become more marketable in a competitive workplace. Becoming proficient in more than one language will open many doors for MSSU graduates and expand their worldview.

Majors in International Studies and International Business and other related areas provide a substantial foundation for professional careers in diplomacy, law, education, international business and commerce, journalism, the military, research, public health, human service organizations, and much more. Opportunities in most of these professions are available in both the public and private sectors in the United States and abroad. The majors are also a good foundation for graduate study in such diverse areas as international law, business, history, political science, and anthropology, as well as international relations, intercultural communication, peace studies, and other interdisciplinary programs.

The International English Program (IEP) provides English as a Second Language (ESL) instruction to international and resident students whose first language is not English. This supports MSSU's mission of a strong commitment to international education by enabling more international students to attend the university. In turn, these students bring different perspectives and values to their American peers, and lifelong friendships often develop.

Student's Guide to the Baccalaureate Degree

Non Scholae Sed Vitae Discimus •"Education not for a living, but for life."

We, the faculty at Missouri Southern, believe that you achieve a complete education through an interrelated program of study which includes the General education curriculum and your major, as well as the extra-curricular opportunities that complete the total collegiate experience. We realize that over a lifetime many of you will change occupations and careers several times. While specialized knowledge in your field is essential, we believe that certain lifelong thinking and learning skills and a common body of knowledge are critical for an understanding of yourself and your larger community and for career advancement in the 21st-century marketplace. Specifically, we are committed to assist you as an undergraduate to:

- Acquire knowledge, both in breadth and depth, through exposure to a wide variety of disciplines and through majoring in your chosen field.
- Communicate with precision and style and to think clearly and critically.
- Achieve competence in quantitative skills.
- Know the methods of inquiry and thought necessary for understanding nature, society and self.
- Sharpen your awareness and appreciation of cultures around the world with their differing values, traditions and institutions.
- Develop lasting intellectual and cultural interests.
- Recognize and appreciate the importance of creativity and imagination in the human experience.
- Achieve greater social maturity and tolerance for human diversity through the experience of working closely with a wide variety of fellow students and faculty members.
- Recognize and examine the formation of personal ethical values in a diverse society.

General Education Curriculum

The General Education curriculum at Missouri Southern is a carefully designed series of courses that all students earning a bachelor's degree must complete. It is our effort to furnish you a liberal education. But why? What about the General Education is so important that it constitutes nearly half of the credit hours necessary for your degree?

One way to answer that question is to reflect on another: What does it mean to be well-educated? While the question has generated much debate and there is no simple answer, most agree that a well-educated person possesses certain fundamental intellectual skills, a broad knowledge of the world and a deep knowledge of a particular subject. While pursuit of a major field of study furnishes knowledge in depth, it is the General Education curriculum that seeks to arm you with the intellectual skills and the breadth of knowledge that characterize well-educated and socially responsible individuals.

Goals of the General Education Curriculum

In compliance with the Missouri Department of Higher Education (MDHE) and statewide policy, Missouri Southern State University provides a block of general education classes that meet the state-level curricular goals. There are four skill-related areas (Communicating, Higher-Order Thinking, Valuing, and Managing Information) as well as four knowledge areas (Social and Behavioral Sciences, Humanities and Fine Arts, Mathematics, and Life and Physical Sciences).

Communicating: Well-educated people develop effective use of the English language and quantitative and other symbolic systems essential to their success in school and in the world. Students should be able to read and listen critically and to write and speak with thoughtfulness, clarity, coherence and persuasiveness.

Higher-Order Thinking: Well-educated people develop the ability to distinguish among opinions, facts and inferences; to identify underlying or implicit assumptions; to make informed judgments; and to solve problems by applying evaluative standards.

Valuing: Well-educated people develop abilities to understand the moral and ethical values of a diverse society and to understand that many courses of action are guided by value judgments about the way things ought to be. Students should be able to make informed decisions through identifying personal values and the values of others and through understanding how such values develop. They should be able to analyze the ethical implications of choices made on the basis of these values.

Managing Information: Well-educated people develop abilities to locate, organize, store, retrieve, evaluate, synthesize and annotate information from print, electronic and other sources in preparation for solving problems and making informed decisions.

Social and Behavioral Sciences: Well-educated people develop an understanding of themselves and the world around them through study of content and the processes used by historians and social and behavioral scientists to discover, describe, explain and predict human behavior and social systems. Students must understand the diversities and complexities of the cultural and social world, past and present and come to an informed sense of self and others.

Humanities and Fine Arts: Well-educated people develop an understanding of the ways in which humans have addressed their condition through imaginative work in the humanities and fine arts. They deepen their understanding of how that imaginative process is informed and limited by social, cultural, linguistic and historical circumstances and by learning to appreciate the world of the creative imagination as a form of knowledge.

Mathematics: Well-educated people develop an understanding of fundamental mathematical concepts and their applications. Students should develop a level of quantitative literacy that would enable them to make decisions and solve problems and which could serve as a basis for continued learning.

Life and Physical Sciences: Well-educated people develop an understanding of the principles and laboratory procedures of life and physical sciences and cultivate their abilities to apply the empirical methods of scientific inquiry. Students should understand how scientific discovery changes theoretical views of the world, informs our imaginations and shapes human history. Students should also understand that science is shaped by historical and social contexts.

In addition to the statewide general education goals, Missouri Southern has two Institutional Goals (International Cultural Studies and Health and Wellness.)

International Cultural Studies: Well-educated people develop an understanding of how cultures and societies around the world are formed, sustained and evolve. Students should understand world affairs, international issues and cultures other than their own as seen through the history, geography, language, literature, philosophy, economics or politics of the cultures. Students will acquire empathy for the values and perspectives of cultures other than their own and an awareness of the international and multicultural influences in their own lives.

Health and Wellness: Well-educated people develop the knowledge and self-management skills that will assist them in adopting healthy lifestyles. This encompasses all areas of wellness: physical, emotional, spiritual, social, intellectual and financial. Students will understand the relationship between lifestyle management, quality of life and societal health and productivity.

Thanks to technological resources and the commitment of our faculty, students have the opportunity to complete many of the General Education courses in modes that suit their individual schedules and needs. While Missouri Southern offers all of the General Education courses in traditional classroom settings, students who possess the skills and responsibility required for success in General Education courses offered in non-traditional modes, such as on-line and televised courses, will be able to do so.

Your Major

The University offers more than 100 majors in a wide variety of fields. Your pursuit of your major will furnish you with the knowledge in depth that is also characteristic of a well-educated person. Some students come to Southern with a clearly defined idea of their major; others come uncertain, relying on their exposure to the General Education curriculum and on experimenting with a few elective courses to help them choose.

In either case, when you emerge with your baccalaureate degree, you will have mastered a body of knowledge that sets you apart from well-educated people in other fields. Often it is your mastery of a particular discipline that makes you of great value in the workplace. Not only do you emerge knowing a great deal, but you also emerge armed with the power to learn more, to extend your knowledge.

Special Features of Missouri Southern

A comprehensive education fostering life-long learning is the aim of our liberal arts curriculum. Southern strives to present the best in higher learning. The following features distinguish our university.

Emphasis on Teaching: The heart of Missouri Southern is that of an undergraduate university where the interaction between teacher and student is of primary importance in the learning experience. Here you will be taught by professors with degrees from the most prestigious universities across the nation.

Emphasis on International: The world is changing rapidly and dramatically. The future will belong to those who have an understanding and appreciation for the world beyond the boundaries of their country. That is why Missouri Southern has chosen to emphasize a global perspective throughout our entire curriculum and wherever possible to add an international dimension to our courses.

Enrichment Programs: Your opportunity for total education is enriched through a variety of special programs including the Honors Program, internships and independent study opportunities, involvement with the student media and "themed" semesters that focus on a country, continent or section of the world. Study abroad opportunities include the Summer in Sweden art program; language immersion programs in France, Germany, Mexico and Spain; and semester-long exchange programs throughout the world. Short-term study abroad experiences, including comparative trips and on-site classes, introduce students to aspects of another country's culture in order to expand their views beyond the U.S. perspective.

Total Collegiate Experience: A great deal of college education happens outside the classroom. An array of extracurricular activities is offered to meet almost every academic and social interest. In addition, numerous services are available for the student to meet educational and personal needs.

Assessment of Outcomes: Missouri Southern continually assesses the effectiveness of its programs, including the General Education curriculum and all the majors. The assessment information helps us revise and improve our programs. In this way, we ensure our curriculum is dynamic and up-to-date.

Diverse Student Body: Students at Southern represent a wide variety of ages and places of origin. The sizable enrollment of nontraditional students (those over 25) and international students is a great advantage. On our campus, students come to see each other as friends and allies and learn to develop healthy and supportive relationships with a variety of people.

Flexible Class Scheduling: Day and evening classes, hybrid classes and delayed start classes are available to students for the purposes of flexible scheduling. Distance Learning provides a variety of forms of access to education to meet the needs of today's students. Access to educational opportunities is provided through Internet, on-ground and Internet television (ITV) classes.

Our faculty and staff are always willing to help you to make the most of your college experience. Don't hesitate to ask. We're here for you!

Assessment of Learning

Goals of Assessment of Outcomes

Assessment is an ongoing, cyclical effort of identifying goals, developing programs to achieve those goals, evaluating the effectiveness of the programs, analyzing results, redefining goals and improving programs. That cycle is a basic responsibility of all faculty and administrators. Stated goals of Student Learning assessment at Missouri Southern are:

1. Evaluation of institutional effectiveness by research and assessment of:
   a. General Education
   b. Academic Programs
   c. Co-curricular Programs
2. Improvement of both academic and student affairs programs
3. Provision of data needed for assessment, program review and strategic planning to fulfill the university mission
4. Fulfillment of governmental mandates

In its mission, Missouri Southern is committed to developing effective programs to fulfill the needs of the students while developing knowledge, skills and positive attitudes so they can be successful and responsible citizens of a diverse world. In order to accomplish that goal, ongoing assessment is conducted not only by professors in classes offered each semester, but also by faculty and administration in program evaluation processes. The Office of Institutional Effectiveness assists faculty and administration in gathering data for those studies. In addition, a Faculty Assessment Advisory Committee meets regularly to review assessment findings and make recommendations for increased learning and student engagement.

Program for Assessment of Outcomes

Importance of assessment for college accountability is underscored by a Board of Governors policy requiring that students participate in assessment activities when requested. Information obtained from standardized tests, faculty developed tests, surveys, student research, portfolio reviews, student interviews and performances is used to develop both quantitative and qualitative data needed for the evaluation of student learning. Three identified areas of student outcomes are assessed each year: General Education, Academic Student Learning and Co-curricular Student Learning.

General Education: Data for study is gathered each year by administering the ETS Proficiency Profile to a sample of graduating seniors. The Proficiency Profile from the Educational Testing Service is a standardized test used to measure the impact of the General Education curriculum on students as they complete a degree program. Students are called upon to analyze, synthesize, apply and evaluate information within several academic contexts, rather than just to recall or recognize content. Missouri Southern seniors consistently score at or above the national average on this test. Additionally, assessment of learning in general education , dual credit, and online courses is conducted at the course level to ensure quality education wherever and however it is delivered.

Program Level: The faculty and administration of each department are responsible for evaluating the effectiveness of their programs. Departments have mission statements, goals and objectives that are drawn from our institutional mission and values. Evidence is gathered through multiple measures and analyzed in an atmosphere of shared responsibility among department faculty and administrators.

Following guidelines from the Higher Learning Commission in determining the role of assessment in affirming and improving student learning, departments are asked to respond to the following questions:

1. What are the student learning outcomes for your degree program?
2. In what ways do you analyze and use evidence of student learning?
3. How do you ensure shared responsibility for assessment of student learning?
4. How do you ensure your student learning outcomes are shared with campus constituencies and the public?

A variety of assessment methods are used by the various departments. Some departments that offer degrees leading to state or national certifications use the required standardized tests for certification as their quantitative measures.

In other areas departmentally developed assessments of student learning are implemented.

Results of Assessment of Student Learning Outcomes

As our assessment program matures, we have an ongoing commitment to use the data collected from tests, surveys, etc. to analyze trends and link results to the review and planning processes. Teams of students, faculty, administrators and staff are involved in these activities.

Evaluation of our assessment process continues as we make improvements and confirm successes to ensure the integrity of our assessment efforts.

Assessment results and use of results are documented through our assessment management software, Academic Effect. Dissemination of institutional assessment data occurs through University email, meeting minutes, faculty development workshops, new faculty orientation, senior thesis presentations, and Databytes, a quarterly newsletter published by the Office of Institutional Effectiveness.

Fee Policies

Please visit our homepage at www.mssu.edu for our online Schedule of Classes that contains the most up-to-date listing of tuition and incidental fees.
The University reserves the right to change fees without notice.

Payment of Fees

1. Undergraduate Tuition and Incidental Fees

For all students who have registered for fall, spring or summer semesters, 100% of the semester charges must be paid by the published due date for each semester. Due dates can be found on the Bursar's Office website and in the Schedule of Classes for the respective semester. Failure to remit the balance due may result in an immediate cancellation of the student's class schedule.

Students are encouraged to view their student account balance via LioNet at www.mssu.edu upon enrollment. Students are responsible for any outstanding balance and are required to remit payment by the published due date.

Financial obligation is incurred at the time of enrollment. Services are rendered as of the first day of class so unless a student officially withdraws prior to that day, fees will be assessed in full. No reduction in charges according to the University refund policy will be credited to the students account until an official withdrawal is completed. Students dropped for non-payment are not relieved of their financial obligation. An official withdrawal is required.

Students expecting their student account balance to be paid through financial aid sources must have all necessary documentation filed with the Financial Aid Office by May 1st for the Fall term and by November 1st for the Spring term in order to receive consideration for payment deferment.

Students enrolled in evening, weekend Internet and televised classes for regular college credit courses, applicable toward an associate or baccalaureate degree, are subject to the same fees, rules and regulations as set forth for students attending day classes. Any special fees associated with a course will be listed in the Schedule of Classes.

Appeals concerning special problems pertaining to fees should be directed in writing to the University Bursar.

2. Residence Hall

As stated in the contract agreement, students will be responsible for the full semester fee at the time that all other student account charges are due. The security deposit will be refunded only if the terms of the contract have been fulfilled.

Explanation of Fees

Admission Application Fee - a non-refundable administrative fee required upon submission of an application for admission.

Change of Class Schedule Fee - an administrative fee charged for each class change (add or withdrawal) made after the first week of the semester.

Commencement Regalia Fee - charged to students who are participating in commencement, non-refundable.

Distance Learning Fee - a fee charged to off-set costs unique to the distance learning environment including: development of specialized Internet courses, fees to broadcasters for carrying televised courses, transmitter and tower costs for televised courses, host servers for Internet courses and video and Internet materials developed by independent producers.

Distance Learning Library Fee - a fee associated with online classes to assist with the updating, development and maintenance of online library resources, access, and availability.

Technology Fee - an incidental fee assessed each semester, which enables the University to provide the most technologically current equipment for use in the classroom and laboratories. All fees collected will be used solely for the purchase of equipment, which will directly benefit the students in their University course work.

Graduation Application Fee - a fee charged upon receipt of graduation application, non-refundable.

Late Registration/Reinstatement Fee - an administrative fee assessed to students who enroll for classes after the first full week of the semester or seek reinstatement for class schedules cancelled for non-payment.

Parking Fee - an incidental fee assessed each semester to cover all costs associated with vehicle registration, roadway and sidewalk maintenance and campus security.

Special Course Fees - fees are charged for additional course materials and/or services for specific courses. Courses include but are not limited to art, music, education, dental hygiene, nursing, radiology and photography.

Student Activity Fee - an incidental fee assessed each semester to support various aspects of campus life including student activities, student government, student publications and other events and services provided by the University.

Student Health Center Fee - an incidental fee assessed each semester to help defray the cost of students' basic office visits to the Missouri Southern State University's Student Health Center, including first aid, injury care and screening for certain illnesses. The Student Health Center is staffed with a full-time family nurse practitioner. Additional fees are charged for professional services such as laboratory tests, physical examinations, x-ray, prescriptions, etc.

Lion Card ID Fee - a one-time fee assessed to all new students for the Lion Card allowing the issuance of a photo identification card. The Lion Card is a single card solution for official MSSU identification, as well as "tap-and-go" meal plan tracking, debit (Lion Bucks) account purchases, electronic door access control and special access to campus privileges venues such as the Beimdiek Recreation Center and Wilcoxon Student Health Center. Please see www.lioncard.mssu for additional information about MSSU's Lion Card Program.

Student Recreation Center Fee - an incidental fee assessed each semester for access to and use of the Student Recreation Center Facilities. This facility houses a student health center, three-court gymnasium, aquatics center, racquetball courts, elevated running/walking track, weight and cardiovascular areas, group exercise rooms, locker rooms, showers and a 150 seat theater auditorium.

Textbook Rental Fee - a per credit hour fee assessed for the use of rental textbooks. The University operates a rental system through the University Bookstore which allows the use of the required textbook by the student for one semester. It should be noted that some classes may require the purchase of supplemental books and materials not available through the rental system. Textbooks must be returned no later than 4 P.M., Monday following the week of finals. A book drop is located in the wall behind Billingsly Student Center for after-hours and weekend drop off. Textbooks not returned by this time will be charged to the student's account at the retail price. This fee may be reduced to a late fee equal to the current rental fee when returned through the published late book return date. Visit www.mssu.edu/bookstore for more information.

Refund Policy

(Except for Residence Hall Charges)

During the course of any semester, if a student finds it necessary to drop individual classes or fully withdraw from the University, the fee refund policy for full-term classes is as follows:

For Fall and Spring Semesters

Prior to the end of the first two weeks of classes . . . . . 100% refund
Third week through Wednesday of fourth week . . . . . 50% refund
After the fourth week. . . . . 0% refund

For Summer Semester

Prior to the end of the first week of classes . . . . . 100% refund
After first week . . . . . 0% refund

Withdrawal from classes during the 50% refund period means that the student will be responsible for 50% of the cost of tuition and fees. Withdrawal from some classes after the refund periods have ended, the student will be responsible for 100% of the cost of tuition and fees.

NOTE: Dates may vary for Off-Schedule classes. Withdrawal and refund of fees information listed only pertains to full-term classes. Students must contact the Office of the Registrar for information on off-schedule courses.

To be eligible for a refund, the student must formally complete a Single Course Withdrawal form and submit it to the Office of the Registrar within the refund period. If the student is withdrawing from the University completely, he or she must complete a Total Withdrawal form with the University Financial Aid Exit Counselor within the published deadline dates. Refer to www.mssu.edu/student-affairs/registrar to view the off-schedule chart.

Failure to attend classes will not constitute a withdrawal.

NOTE: If the student withdraws after payment of any or all fees for the semester, any monies due to the student will be returned after fee refunds have been applied. However, if the University costs have been paid partially or fully by financial aid (scholarships, grants, loans, other government assistance programs, etc.) the refund monies will be first applied to the financial aid program source. Please see the repayment notice of Title IV aid paragraph below for further explanation. Once these awards have been fully refunded, any remaining balances will be forwarded to the student.

All refunds must be claimed during the term for which the refund applies. Students who feel that individual circumstances warrant exceptions to this policy may appeal in writing to the Bursar. This appeal must be made during the term for which the refund applies.

REPAYMENT NOTICE FOR FEDERAL FINANCIAL AID

Students who withdraw prior to the 60% completion of the semester will be subject to repayment of part or all of their aid, as determined by federal regulations. This includes official and unofficial withdrawals stemming from student's last date of attendance prior to the 60% of semester earned.
Students will be notified in writing of any amount due as a result of withdrawal. A hold will be placed on the student's account until repayment is made in full.
Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:

1. Referral to the federal government for collection.
2. Ineligibility for federal financial aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

For policies concerning fee refunds for Residence Hall charges, please refer to the Residence Life contract.


MISSOURI SOUTHERN
STATE UNIVERSITY
1 Ummel Technology Building
2 Custodial Warehouse/ Fire Safety & Environmental Health Office
3 Reynolds Annex
4 Physical Plant
5 Robert W. Plaster Free Enterprise Center
6 Cornell Auditorium
7 Kuhn Annex
8 Kuhn Hall
9 Biology Pond
10 Ralph L. Gray Alumni Center
11 Mansion Annex
12 Hal Boden Soccer Field
13 Billingsly Student Recreation Center
14 Student Recreation Center
15 The Lion's Den
16 Tennis Courts
17 Reynolds Hall
18 Lion Icon Statue
19 Flag of Freedom Memorial
20 Spiva Library
21 Hearnes Hall
22 Webster Hall
23 Spiva Art Gallery
24 Corley Auditorium
25 KGCS TV/KXMS Radio
26 Taylor Performing Arts Center
27 Phinney Hall
28 Bud Walton Theatre
29 Olympic Pool & Racketball Courts
30 Robert Ellis Young Gymnasium
31 Leggett & Platt Athletic Center
32 Child Development Center Daycare
33 Taylor Hall
34 Simulation Center
35 Health Sciences Building
36 Corley Dental Hygiene Clinic
37 North End-Zone Facility
38 Fred G. Hughes Stadium
39 Gene Wild Softball Field
40 Lea Kungle Softball Field
41 Warren Turner Field
42 MSSU Cross Country Course
43 Robert W. Plaster Sports Complex
44 Criminal Justice Auditorium
45 Mills Anderson Justice Center
46 The Quads
47 McCormick Hall
48 Gockel Hall
49 Stegge Hall
50 Blaine Hall
52 Dishman Hall
53 Dryer Hall
54 Stone Hall
55 Headlee Hall
56 East Hall
57 Maupin Hall
58 Mitchell Hall
Campus Police
P Parking
Willcoxon Health Center

Academic Calendar

August 2016						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September 2016						
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October 2016						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November 2016						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
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27	28	29	30			

December 2016						
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25	26	27	28	29	30	31

January 2017						
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2016 Fall Semester

August 18 . . . . . Class Registration
August 19 . . . . . Class Registration & Faculty Study Conference
August 22 . . . . . **CLASSES BEGIN**
August 29 . . . . . Drop/Add Fees & Late Registration Fees Begin
September 1 . . . . . Last Day for Full Refund of Fees
September 5 . . . . . Dismissal for Labor Day
September 16 . . . . . Withdrawal after this Date No Refund of Fees
October 17-18 . . . . . Fall Break
November 4 . . . . . Last Day to Withdraw from a Class with a "W"
November 23-25 . . . . . Dismissal for Thanksgiving Holiday
December 5 . . . . . Last Day for Complete Withdrawal with all "W's"
December 9 . . . . . Last Day of Classes
December 12-16 . . . . . Final Examinations
December 16 . . . . . End of Semester
December 17 . . . . . Commencement

2017 Spring Semester

January 12 . . . . . Class Registration
January 13 . . . . . Class Registration & Faculty Study Conference
January 16 . . . . . Martin Luther King Jr. Day Holiday
January 17 . . . . . **CLASSES BEGIN**
January 23 . . . . . Drop/Add Fees & Late Registration Fees Begin
January 27 . . . . . Last Day for Full Refund of Fees
February 10 . . . . . Withdrawal after this Date - No Refund of Fees
March 20-24 . . . . . Spring Break
April 7 . . . . . Last Day to Withdraw from a Class with a "W"
May 1 . . . . . Last Day for Complete Withdrawal with all "W's"
May 5 . . . . . Last Day of Classes
May 8-12 . . . . . Final Examinations
May 12 . . . . . End of Semester
May 13 . . . . . Commencement

2017 Summer Semester

May 22 . . . . . Ten and Six Week Sessions Begin
May 29 . . . . . Memorial Day Holiday
June 5 . . . . . Eight Week and First Four Week Sessions Begin
June 8 . . . . . Last Day for Full Refund of Fees *
July 3 . . . . . Second Four Week Session Begins
July 4 . . . . . Dismissal for Fourth of July Holiday
July 13 . . . . . Last Day to Withdraw from a Class with a "W" *
July 24 . . . . . Last Day for Complete Withdrawal with all "W's" *
July 24-27 . . . . . Final Exams*
July 27 . . . . . End of Semester

* Based on 8 week session running from June 5 to July 27

February 2017						
S	M	T	W	T	F	S
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March 2017						
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April 2017						
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May 2017						
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June 2017						
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July 2017						
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Academic Calendar

August						2017
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September						2017
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October						2017
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November						2017
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December						2017
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24	25	26	27	28	29	30
31						

January						2018
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21	22	23	24	25	26	27
28	29	30	31			

2017 Fall Semester

August 17 . . . . . Class Registration
August 18 . . . . . Faculty Study Conference & Class Registration
August 21 . . . . . **CLASSES BEGIN**
August 28 . . . . . Drop/Add Fees & Late Registration Fees Begin
September 1 . . . . . Last Day for Full Refund of Fees
September 4 . . . . . Dismissal for Labor Day
September 15 . . . . . Withdrawal after this Date No Refund of Fees
October 16-17 . . . . . Fall Break
November 3 . . . . . Last Day to Withdraw from a Class with a "W"
November 22-24 . . . . . Dismissal for Thanksgiving Holiday
December 4 . . . . . Last Day for Complete Withdrawal with all "W's"
December 8 . . . . . Last Day of Classes
December 11-15 . . . . . Final Class/Exam
December 15 . . . . . End of Semester
December 16 . . . . . Commencement

2018 Spring Semester

January 11 . . . . . Class Registration
January 12 . . . . . Faculty Study Conference & Class Registration
January 15 . . . . . Martin Luther King Jr. Day Holiday
January 16 . . . . . **CLASSES BEGIN**
January 22 . . . . . Drop/Add Fees & Late Registration Fees Begin
January 26 . . . . . Last Day for Full Refund of Fees
February 9 . . . . . Withdrawal after this Date - No Refund of Fees
March 19-23 . . . . . Spring Break
April 6 . . . . . Last Day to Withdraw from a Class with a "W"
April 30 . . . . . Last Day for Complete Withdrawal with all "W's"
May 4 . . . . . Last Day of Classes
May 7-11 . . . . . Final Class/Exam
May 11 . . . . . End of Semester
May 12 . . . . . Commencement

2018 Summer Semester

May 21 . . . . . Ten and Six Week Sessions Begin
May 28 . . . . . Memorial Day Holiday
June 4 . . . . . Eight Week and First Four Week Session Begins
June 7 . . . . . Last Day for Full Refund of Fees*
July 2 . . . . . Second Four Week Session Begins
July 4 . . . . . Dismissal for Fourth of July Holiday
July 12 . . . . . Last Day to Withdraw from a Class with a "W"
July 23 . . . . . Last Day for Complete Withdrawal with all "W"s
July 23-26 . . . . . Final Exams
July 26 . . . . . End of Semester

*Based on 8 week session running from June 4 to July 26

February						2018
S	M	T	W	T	F	S
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March						2018
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April						2018
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May						2018
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June						2018
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July						2018
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Contact Information

Missouri Southern State University • 3950 E. Newman Road • Joplin, Missouri 64801-1595

417.625.9300 • 1.866.818.MSSU • www.mssu.edu

Academic Affairs 625-9394
ACTS - Advising, Counseling & Testing Services . . . 625-9324
Admissions Office 625-9378
Alumni Affairs. 625-9355
Assessment/Institutional Research Center 625-9349
Athletics - Baseball, Basketball, Cross Country (M),
Football, Golf, Track & Field (M). 625-9317
Athletics - Cross country (W), Soccer, Softball, Tennis,
Track & Field (W) . . . . . 625-9316 or (877-946-6772)
Athletics Tickets (North Endzone Facility) 625-9366
Beimdiek Recreation Center 659-5455
Blackboard Help Desk. 625-9885
Bookstore 625-9380
Book Rental. 625-9306
Bursar's Office (Cashier) 625-9381
Business Affairs. 625-9395
Cafeteria 625-9825
Campus Card Services Center 659-5463
Career Services. 625-9343
Child Development Center 625-9360
Continuing Education 625-9785
Credit Evaluations/Transcripts. 625-9389
Dental Hygiene Clinic 625-9711
Distance Learning 625-9651
Testing or Proctor Testing. 625-9577
Dual Credit. 625-9785
Faculty Appointments 625-9394
Financial Aid and Scholarships 625-9325
First-Year Experience Program 625-9731
Gifts & Annuities 625-9396
Graduate Office (MSSU)
Business. 625-9319
Education 625-9314
Technology 625-9328
Health Center 625-9323
Honors Program 625-3005
Housing 625-9522
International Admissions 625-3126
Institute of International Studies 659-4442
International Student Exchange Program 625-9736
International Student Office. 625-9372
KGCS-TV. 625-9375
KXMS-88.7 625-9356
Library 625-9386
Missouri Southern Foundation. 625-9396
News/Publications 625-9399
Physical Plant 625-9331
President's Office 625-9501
Project Stay 625-9830
Purchasing. 625-9561
Registrar 625-9389
Residence Halls
Blaine Hall 659-4107
East Hall. 659-4378
McCormick Hall 659-4190
Student Life Center 659-4461
Residence Life. 625-9522
Public Safety 626-2222
School of
Arts & Sciences 625-9385
Business Administration 625-9319
Education 625-9314
Health Sciences, Public Safety, & Technology . . 625-9328
Small Business & Technology Development Center . 625-3128
Southern Welcome Orientation 625-9731
Sports Information 625-9359
Student Activities 625-9346
Student Affairs 625-9392
Student Disability Services 659-3725
Student Employment 625-9398
Student Organizations. 625-9320
Student Success Center 659-3725
Swimming & Racquetball. 625-9390
Testing (ACTS) 625-9595
Theatre Box Office. 625-3190
Ticket Office (BSC) 659-5463
University Relations & Marketing. 625-9399
Veterans Affairs 625-3159

ADVISING, COUNSELING & **TESTING SERVICES (ACTS)**
ADMISSIONS
BURSAR
CAMPUS CARD SERVICES CENTER
CAREER SERVICES
FINANCIAL AID
FIRST-YEAR EXPERIENCE
INTERCOLLEGIATE ATHLETICS
RECREATIONAL SERVICES
REGISTRAR
RESIDENCE LIFE
STUDENT LIFE CENTER
STUDENT ACTIVITIES
STUDENT DISABILITY SERVICES
STUDENT HEALTH SERVICES
STUDENT POLICIES
STUDENT SENATE
STUDENT SUCCESS CENTER
TRIO PROGRAMS
- **TALENT SEARCH**
- PROJECT STAY
- **UPWARD BOUND**

UNIVERSITY DINING SERVICES
UNIVERSITY POLICE



Student Affairs®

The policies and statements contained in the Student Affairs section were written for the undergraduate students at Missouri Southern State University and as such may not apply to our graduate students. Please check with the coordinator of the specific graduate program for more information.

Vice President for Student Affairs & Enrollment Mgmt

Darren Fullerton

Billingsly Student Center - 417-625-9392

Mission

The Division of Student Affairs at Missouri Southern State University is committed to creating a positive campus community which values student success and life-long learning in a global society. The division provides students with a variety of programs, services, and facilities that enhance and support their academic experience and prepares them to meet life-long intellectual, ethical, personal and career challenges.

Purpose and Objectives

The division includes Advising Counseling and Testing (ACTS), Admissions, Bursar, Career Services, Dean of Students, Financial Aid, First Year Experience, Food Service, International Admissions, Disability Services, Recreational Services and Wellness, Registrar, Residence Life, Student Activities, Student Health Services, Student Senate, Student Success Center, TRIO Programs (Project STAY, Upward Bound and Talent Search), and University Police.

With the goal of helping students to fully develop and achieve their educational goals, professional staff members are trained to support students by:

1. providing a campus climate in student residence and campus affairs that is conductive to academic achievement;
2. providing services which will assist in the self-development of all students and promote the understanding of their own purposes for being in college;
3. providing, through student government, student organizations and student activities, both an opportunity to practice democratic living, with both rights and responsibilities and a chance to learn to work effectively and cooperatively with others;
4. providing an opportunity for those individuals who are capable of profiting from higher education by providing financial assistance, when necessary, in the form of scholarships, grants, loans and employment;
5. helping each student develop a sense of individual responsibility and self- discipline;
6. interpreting college objectives, policies and rules to students and communicate student attitudes, opinions and activities to the faculty, administration and general public;
7. providing student health services that meet the emergency and temporary medical needs of all students;
8. providing an opportunity for students to gain information about the world of work and job opportunities; and
9. providing assistance and direction in matching student qualifications with job requirements.

ADVISING, COUNSELING & ***TESTING SERVICES (ACTS)***

Kelly E. Wilson

DIRECTOR

Hearnes Hall 314 • 417-625-9324

acts@mssu.edu

mssu.edu/student-affairs/advising-counseling-testing-services

The primary goal of the Advising, Counseling and Testing Services (ACTS) department is to promote the student's academic and personal development. Services are provided for individuals with educational, academic, personal and social concerns. Experienced professional staff and clinical counselors provide individual counseling for academic, career and short-term personal concerns as well as offer a variety of tests, inventories and referral services.

Advising Services

MSSU Academic Advising Mission

The Academic Advising mission at Missouri Southern is an educational process that, by intention and design, facilitates students' understanding of the meaning and purpose of higher education and fosters their intellectual and personal development toward academic success and lifelong learning.

Vision

At Missouri Southern State University, academic advising provides students with the opportunity to build a relationship with their advisor for the purpose of gaining assistance in planning their educational career, in learning the skills needed for academic success and in learning how to access the variety of resources and services available to them on the Missouri Southern campus.

Academic advising is an extension of teaching. Academic advising is a collaborative educational process whereby students and their advisors are partners in meeting the essential learning outcomes, facilitating student academic success and outlining the steps for achievement of the students' personal, academic and career goals. This advisor/student partnership requires participation and involvement of both the advisor and the student as it is built over the student's entire educational experience at Missouri Southern. Both the student and the advisor have clear responsibilities for ensuring the advising partnership is successful.

Missouri Southern State University adopts the National Academic Advising Association (NACADA, 2006) Core Values and the Council for the Advancement of Standards in Higher Education (CAS, 2007).

Students with Declared Majors

Students, who have declared an academic major, will be assigned to a faculty member in the department of their major. Advisor assignments for new freshman will take place during the UE 100 University Experience Class. Advisor assignments are made at the departmental level.

Undeclared Students

Students who have not declared an academic major area of study will be assigned an advisor from the ACTS staff. Approximately 60 percent of the entering freshmen are undecided. At the beginning of each semester ACTS advisors invite their advisees to make individual appointments to discuss an academic plan and preparation for enrollment into the next semester classes. Advisors work closely with students in exploring their educational and degree options. The responsibility for satisfying all requirements rests with the stu-

dent. Advisors, faculty and administration assist in meeting this responsibility.

Career Exploring

Students who are uncertain of their major are encouraged to explore careers by:

1. Enrolling in a Career and Life Planning course (UE 105)-This class is designed to assist students in clarifying values, assessing competencies and interests, making decisions, securing information on occupations, educational opportunities and selecting appropriate career development strategies; or

2. Meet individually with an advisor in the ACTS office to identify, understand and explore academic/career related concerns.

Major Fair

The intent of this fall program is to provide a centralized opportunity for students to investigate various curricular and career options in one place at one time and allows academic departments to showcase their majors and minors.

Counseling Services

Confidential, personal counseling is available at no charge to students who may be struggling with relationship issues, anxiety, stress, depression, adjustment issues, grief, trauma or problems with eating disorders or drug or alcohol abuse. Contact the ACTS department in person or by phone to set up an appointment. Mental Health Counselors are licensed professionals. Referrals to additional resources may be given as appropriate.

Consultation and Referral

Mental Health Counselors are available, upon request, to provide consultation to the administration, faculty, staff and students. The staff also will facilitate referrals to outside agencies and to licensed professionals as needed.

Emergency

Crisis Intervention is provided to deal with situations requiring immediate attention. Call the University Police Department at 417-626-2222. If that line is not answered for some reason, you may call 911 and the JPD Communications Center will dispatch a UPD officer directly. For more information about being safe on campus visit www.mssu.edu/police.

Other Services

Outreach: Special programs and workshops designed to define and/or to prevent problems and to improve the quality of college life are presented. These offerings provide information, techniques and skills relevant to specific topics of interest such as: stress management, test anxiety, self-esteem and building successful relationships.

Testing Services

Missouri Southern is a national testing center for the following examinations:

1. ACT (Placement test for college entrance)
2. Missouri Educator Gateway Assessment
3. HiSET (Missouri High School Equivalency Exam)
4. MAT (Miller's Analogy Test for graduate school)
5. CLEP (College Level Examinations Program)
6. Pearson VUE (Select exams)
7. LSAT (Placement test for law school)
8. Praxis Series (National Teacher's Exam)

The CLEP (College Level Examination Program)

Administered by appointment. The student must contact the ACTS department to register prior to the testing time/day. This program is designed to allow students to receive, upon attaining a passing grade, proficiency credit for General Education Requirements. In order to receive credit for a CLEP examination, a student must have the following qualifications:

(a) not have taken an examination over the course within the preceding three months;
(b) not have credit in a more advanced course in the same field;
(c) be working toward a degree at Missouri Southern State University;
(d) not use the examination to replace a previously earned grade.

Proctoring Tests

The ACTS department also provides proctors and a testing room for students taking correspondence courses from other accredited institutions. Appointments must be made prior to taking the test. A fee will be charged for each test administered.

TOEFL

All students whose native language is not English, who wish to transfer with less than 24 hours are required to have either the TOEFL or the Michigan College English Test. For more information on the TOEFL exam visit Educational Testing Services at www.ets.org. Minimum TOEFL scores are:

- Score of 520 + for TOEFL paper based plus TOEFL writing 4.0 +
- Score of 190 + for TOEFL computer-based plus TOEFL writing 4.0 +
- Score of 68 + for TOEFL internet based plus TOELF writing 4.0 +

HiSET

The ACTS department also provides the HiSET High School Equivalency Test as a service to Missouri residents who were unable to complete their high school education.The person making an acceptable score on the HiSET test will receive a high school equivalency certificate from the Missouri State Department of Education. Application process: visit hiset.ets.org for additional information and to schedule an exam.

Student Success Initiatives

Lion Alert

Lion Alert is part of our Student Success Initiatives to provide support and interventions for students who have been identified as academically at-risk. The focuses of the Lion Alert efforts are on actions taken by the student and on behalf of students early in their semester and early in their college studies. Early referral and early response allows for resources to be provided before any prolonged struggle. Referrals are made online through Missouri Southern's Lionet portal.

Mid-Term Grades

Mid-term grades supports Missouri Southern State University's commitment to student success. Midterm grades are indicators of a student's progress. They are equally important to the potential Dean's List student, the student on probation and the marginal student. In each case, the student's efforts can be directed to achieve his or her goals. Midterm grades are not recorded on official student transcripts.

A student will be considered academically at-risk if his/her midterm grade point average (average based on that term's midterm grades) falls below 2.0. A student at-risk (in this situation) will be encouraged, by letter, to meet with his/her faculty advisor to discuss options and implement a course of action to improve the student's academic performance. Mid-term grades are reported to students through the University's Lionet portal.

Path to Academic Success (PASS)

PASS is an early warning program designed to assist freshmen students who are academically at-risk. The program aims at enhancing academic success through a variety of academic success services including personalized academic success plans, individual academic coaching, strategic workshops and periodic progress checks. This program is not a class; it is an academic support system.

ADMISSIONS

Derek Skaggs
DIRECTOR OF ADMISSIONS
Hearnes Hall 106 • 417-781.6778
admissions@mssu.edu
mssu.edu/advancement/admissions

Admission decisions are based on current admission policies established by the Board of Governors and are made in accordance with the recommendations of the Coordinating Board for Higher Education. Students are encouraged to apply for admission early. Applications are available through the Admissions Office, online at http://www.mssu.edu/advancement/admissions/aadmissions-application.php and most high schools and community colleges. Admission requirements are subject to change without notice. Missouri Southern State University encourages students from private, home schooling and non-accredited high schools to contact the Admissions Office for details on how to be accepted into Missouri Southern.

Credentials Required for Freshman Admission

Regular Admission

(1) High School Transcript: An official transcript of high school credits must be filed showing that requirements for graduation have been met. A 6th, 7th or 8th semester rank in class must appear on the record. The University will accept a satisfactory score on the General Educational Development (GED) or HiSet test in lieu of a high school transcript.

(2) Placement Test: Missouri Southern participates in the American College Testing Program (ACT). Scores must be presented as an admission credential. These tests are administered at nationally approved test centers five times a year. Missouri Southern is a test center. Students age of 21 or over applying as first-time freshmen are not required to submit an ACT score; however, ACT or MSSU placement tests must be taken if no math or English class has been completed prior to enrolling in those classes. Either ACT or SAT scores are acceptable.

(3) Application: Missouri Southern admits students on a rolling basis. Students are encouraged to apply early. The application for admission must be submitted to the Admissions Office one week before the first day of enrollment (see University calendar on page 16). This includes all credentials required by the Admissions Office.

(4) Application Fee: A fee of $25 must be included with the application for admission. (This fee is non-refundable and non-applicable to other college fees.)

(5) Miscellaneous Requirements: Additional credentials may be required from students whose application credentials raise questions about their acceptability into the student body. While the University makes every effort to give each applicant an opportunity for a college education, it reserves the right to deny admission when the University's ability to meet the need of the student and/or the welfare of the student body is in question. Students who do not attend Missouri Southern within one year after making application must submit new credentials when seeking admission.

Current Admission Requirements for First-Time Entering Freshmen:
An applicant must meet one of the following:

- ACT Composite Score of 21 or higher
- Top 50% rank in class
- 2.25 cumulative GPA

Applicants who do not meet one of these requirements will be reviewed by the selection committee.

High School Core Curriculum Requirement

The University strongly encourages high school students to follow the Core Curriculum recommendations outlined by the Missouri Coordinating Board for Higher Education. The core includes:

English, 4 units. Two units emphasizing composition or writing skills are required. One unit may be speech or debate.

Mathematics, 4 units. The units must include Algebra I, Algebra II, Geometry and a fourth higher level mathematics course.

Social Studies, 3 units. Courses should include United States history and courses selected from world history, government, geography and economics.

Science, 3 units. General Science does not count. One unit must include a laboratory. Biology, physics and chemistry are strongly recommended.

Visual/Performing Arts, 1 unit. Fine arts courses include such areas as visual arts, music, dance or theatre.

Electives, 3 units. Electives may be selected from world geography, higher level mathematics, additional science, foreign languages (if a language is chosen as an elective, the University recommends 2 units of the same language), advanced placement courses or a combination of the core courses listed above.

Admission requirements are subject to change without notice.

Admissions Review Committee: Individuals who do not meet the University's admission criteria will have their application forwarded to the review committee. The committee may make one of four decisions: grant regular admission, admit conditionally, deny admission or admit as a special non-degree seeking student.

Individuals who have been convicted of a felony are asked to report this information on the application for admission and provide an explanation to the nature of the felony conviction. Individuals indicating a prior felony conviction will be reviewed by the committee to determine acceptance. If the student is not accepted for admission, an appeal can be submitted in writing to the Executive Vice President.

Students With Previous College Experience / Former MSSU Students:
Former Missouri Southern State University, Jasper County Junior College and Joplin Junior College students must inform the Admissions Office of their intention to return. Students will be required to update their credentials by using the re-admission application form. No application fee is required.

Transfer Students: Transfer Admission Requirements

Applicants must meet the following conditions:

1. The student must be in good standing at the instution from which they are transferring.
2. The student must have a cumulative GPA of 2.0 or higher (on a 4.0 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the University's standards of progress may be considered for admission on probation. Individuals who do not meet the University's admission criteria will have their application forwarded to the review committee. The committee may make one of four decisions: grant regular admission, admit conditionally, deny admission or admit as a special non-degree seeking student.

First time transfer students who have completed the State of Missouri general education curriculum (42 semester hours) or have earned the Associate of Arts (AA) degree from a two-year or four-year regionally accredited U.S. institution prior to enrolling at MSSU are assumed to have met Areas A through H of the MSSU general education curriculum requirements with the possible exception of the state legislation requirement for the U.S. Constitution, Missouri Constitution and American History. See the Academic Affairs section of the catalog under State Legislation Requirements for more details. Transfer students must additionally meet requirements for Area I of the general education curriculum.

Transfer students who have not completed the above general education curriculum will have their courses evaluated on a course-by-course basis. Transfer courses will be assigned lower or upper division attributes based on how the courses were originally completed.

MSSU will accept unlimited lower division transfer hours from regionally accredited two-year colleges. These existing policies must be met:

1. Students must earn 30 of the last 36 hours at MSSU.
2. One-half of the major requirements must be earned at MSSU.
3. Forty upper-division (300-400) hours are required for graduation.
4. Writing and computer literacy requirements.

The following credentials must be submitted to the Admissions Office:

1. Official transcripts from all previously attended institutions.
2. Payment of the $25 non-refundable application fee.
3. ACT or MSSU placement tests must be taken if no math or English class has been completed prior to enrolling in those classes.

Transfer students who have been awarded a baccalaureate degree from a regionally accredited U.S. college or an accepted foreign equivalent, prior to enrolling at MSSU, are assumed to have fulfilled all lower division general education curriculum requirements except the state legislation requirements. All transfer and post graduate students must also fulfill the state legislation requirement for the U.S. Constitution, Missouri Constitution and American History. See the Academic Affairs section of the catalog under State Legislation Requirements.

Transfer students seeking admission to Missouri Southern State University from colleges or universities not accredited by a regional association may be given full recognition for their credits earned when the credit is appropriate to the student's degree programs and after Missouri Southern State University has validated the courses. Applicants must meet the following conditions:

1. The student must be in good standing at the institution from which they are transferring.
2. The student must have a cumulative GPA of 2.0 or higher (on a 4.0 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the University's standards of progress may be considered for admission on probation.

Transcripts submitted to Missouri Southern State University become the property of the university and cannot be returned to the student or forwarded to other institutions.

Transfer Articulation Appeal Process: Transfer students have the right to appeal course articulation from transferring institutions. If you feel a course has not been given proper credit at MSSU, please contact the Office of the Registrar at MSSU regarding the appeal process. Issues that can be resolved by the Office of the Registrar require no further action by the student or institution.

Courses from non-regionally accredited schools may be challenged for credit by completing a General Academic Petition. The petition must be accompanied with a course syllabus and credentials of the course instructor. Petitions are routed to the department of the course for review and final determination of credit.

Courses from regionally accredited schools that have not been articulated for course credit may be challenged for academic credit toward a degree by completing the General Academic Petition. Appeals require approval from both the department of the course, the department of the major and the respective dean.
Disputes regarding how a course was articulated may be challenged through the appeal process also. The academic department has final determination on course articulation.

Transfer students may request the assistance of the articulation officer from the sending institution in reviewing the situation and giving advice on the merits of the appeal. For additional information from the Missouri Department of Higher Education regarding course articulation please visit: IV. Procedures for Review of Credit Transfer Policy and Compliance found at http://www.dhe.mo.gov/policies/credit-transfer.php#appeals process.

Transient Students: Students in good standing at other colleges and universities may wish to enroll at Missouri Southern for the purpose of transferring back to their institutions the credit earned. Admission requires completion of the non-degree application form and payment of the $25 non-refundable application fee. Students wishing to continue course work at Missouri Southern State University must complete the degree seeking admission application and meet admission criteria.

International Students: International students (not citizens of the United States) who wish to apply for admission should contact the Admissions Office or access the Admissions website (www.mssu.edu/advancement/admissions) for the proper application forms and instructions. In addition to the admission credentials required of all students on page 22, international students must satisfy these concerns: (a) academic competency (b) ability to read and speak the English language adequately for college level study and (c) ability to finance the cost of education at Missouri Southern. All applicants whose first language is not English must prove English proficiency by showing one of the following: a score of at least 68 on the TOEFL Internet-based test (IBT) with a writing score of 25 or higher, or an IELTS score of at least 6.0 with a writing score of 5.5 or higher and no subject subscore below 5.0, or a Michigan English Placement Test (MEPT) score of at least 85. The Admissions Office must receive all application and accompanied credentials by the following dates:

Fall Semester	July 1
Spring Semester	December 1

The English-proficiency requirement also applies to students who are citizens of the United States and who use English as a second language.

Intensive English Program: Students who do not meet the English competency standards on the TOEFL or the Michigan Test are required to take courses in the Intensive English Program (IEP) before they can enroll in college level courses. As prerequisite courses the IEP courses are graded and count as hours enrolled/earned in determining student status.

Dual Credit/Dual Enrollment: Dual credit enables qualified high school students to take University-level courses taught by qualified high school instructors. Students simultaneously receive academic credit for the course from both the high school and MSSU. Dual enrollment enables qualified high school students to take University-level courses taught by an MSSU faculty member while simultaneously enrolled in the high school and MSSU. Credit is typically only awarded at the university level; however, students may be eligible to earn high school credit for such courses with approval from the high school district. For more information about the program, students should contact the Office of Academic Outreach, Hearnes Hall room 315, phone 417-625-9785 or 417-625-9731.

Admission to Selective Programs

The Health Sciences: (Nursing, Dental Hygiene, Radiology, Respiratory Therapy): Admission to Missouri Southern does not automatically confer admission to the programs of Nursing, Dental Hygiene, Radiology, and Respiratory Therapy. In addition to meeting the admission requirements for the University, candidates who are interested in these health career programs are required to apply for admission to the department. Application forms may be obtained from the specific departments, all located in the Health Sciences Building. Applications should be submitted by January 31 preceding the fall semester in which the student wishes to enroll. Each application is reviewed by the Admissions Committee of the respective department. See Nursing Department (page 200), Dental Hygiene Department (page 191), Radiology Department (page 206) or Respiratory Therapy Department (page 208) for full information on admission and acceptance criteria.

Teacher Education: Admission to Missouri Southern does not automatically confer admission to the Teacher Education Program. In addition to meeting the admission requirements to the University, candidates interested in the Teacher Education Program are required to apply for admission to the Teacher Education Department. For more details, please see the Teacher Education section of the catalog (page 177).

Honors Program: This program is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. Entrance into the program is by invitation. Interested students should write the Director of Honors Program for an application form.

Special Admission: A student who wishes to enroll in college but does not meet regular admission requirements may be permitted to enroll in classes as a non-degree seeking student. College hours completed in this status cannot be counted toward a degree until the student meets regular college admission criteria. Special admission classification is not eligible for financial aid.

Students without a diploma or GED must complete 59 hours with a 2.0 GPA before a request for reclassification can be considered.

65-Plus Program: The 65-Plus Program is designed to serve interested individuals 65 years of age and over. Community residents may enroll in a course on a space-available basis without providing previous transcripts (unless a prequisite must be met). Compliance with course prerequisites is necessary and is the student's responsibility. Enrollment takes place at the same time as regular student enrollment (two days prior to the start of the term). Information concerning enrollment times, reduced fees and tuition costs can be found in the University schedule. Courses are for audit only. If a student desires to become a regular student, he or she must make application to Missouri Southern for future semesters.

CAMPUS CARD SERVICE CENTER

Chris Owens

MANAGER

Billingsly Student Center 109 • 417-659-5463
lioncard@mssu.edu
mssu.edu/lioncard

Located in the lower level of Billingsly Student Center, the Campus Card Service Center is a convenient location to obtain Lion Card IDs, place value in Lion Bucks debit accounts and obtain parking permits. In addition to Lion Card administration, the Campus Card Service Center is home to the MSSU Ticket Office where students can purchase tickets to on-campus events as well as area attractions.

Lion Card

The Lion Card is a single-card solution that serves as MSSU's official MSSU identification and tracks meal plans, as well as providing debit account (Lion Bucks) capability, facility access control and access to campus venues such as the Beimdiek Recreation Center.

Value placed in a Lion Bucks debit account can be used to purchase

- Food at the Billingsly Student Center Food Court and University Java
- Snacks and drinks from select vending locations on campus
- Printing in University personal computer labs
- Tickets at the Ticket Office
- Merchandise at the University Bookstore
- Print and mail services at Office Services
- Services at the Willcoxon Student Health Center

In order to take advantage of the debit account capability of the Lion Card, students must set up a Lion Bucks account at the Campus Card Service Center in person. A minimum deposit of $10 is required at the time to open the account.

In addition to Lion Bucks purchases, the Lion Card system controls access to privileges such as: Beimdiek Recreation Center, Willcoxon Student Health Center services and Spiva Library resources.

Parking Permits

All vehicles must be registered in order to use campus parking facilities. Vehicles may be registered and parking permits obtained at the Campus Card Service Center or the Public Safety Office.

Ticket Office

Tickets for selected athletic events as well as other on-campus events and area attractions, including amusement parks and the local movie theater, can be obtained at the Ticket Office located in Campus Card Service Center. Please see www.mssu.edu/ticketoffice for ticket information.

CAREER SERVICES

To Be Announced

DIRECTOR

Spiva Library 207 • 417-625-9343
careerservices@mssu.edu
mssu.edu/student-affairs/career-services

Personalized Assistance

The Career Services Office offers individual appointments to assist in the creation and customization of resumes and cover letters for the job market and assists in the completion of employment and graduate school applications. All services are offered free of charge to MSSU students and alumni. Visit mssu.edu/career to view a complete schedule of events or to access online resources. The Career Services Office assists students in:

- Choosing a major or career path
- Developing personal career goals
- Preparing for and navigating the job market
- Networking and navigating employment situations

Online Resources

Visit mssu.edu/student-affaris/career-services to access online resources:

• Hire a Lion: Online job network designed to connect MSSU students and alumni with employers offering full-time, part-time, internship, and volunteer opportunities.

• Optimal Resume: Web-based system designed to assist with the creation of high-quality resumes and cover letters. The mock interview module allows users to view sample interview questions and answers, then record responses for self-critique.

• Job Shadowing: The Career Services Office connects students with community professionals to gain first-hand knowledge about career paths and work environments.

• Mock Interviews: The Career Services Office offers online and in-person mock interviews to assist students in preparing for a variety of interview scenarios.

• Career Events: The Career Services Office hosts a variety of career events throughout the year. Event details can be found online at mssu.edu/career.

• Super Leaders: The Super Leader Program introduces participants to the community and career opportunities. Anyone who has a genuine interest in community leadership and wants to broaden their scope of knowledge beyond their current level is encouraged to apply for the Super Leaders Program. Students interested in applying must be enrolled in a minimum of six hours at Missouri Southern State University and complete the application process.

STUDENT DISABILITY SERVICES

Lori Musser
COORDINATOR FOR STUDENT DISABILITY SERVICES
Hearnes Hall • 417-659-3725
musser-l@mssu.edu
mssu.edu/student-affairs/disability-services

Missouri Southern State University strives to assure that no qualified person with a disability shall, solely by reason of the disability, be denied access to, participation in or the benefits of any program or activity operated by Missouri Southern. Reasonable accommodations are provided to ensure equally effective access to the University. Access can mean many different things. On one level, we are a "young" campus, our buildings are all accessible. Each building is equipped with automatic door openers, elevators and accessible facilities. Access also applies to what happens in the classroom. Our instructors are committed to a meaningful learning environment for all students. Qualified students with documentation may access services such as note takers, electronic textbooks, testing outside the classroom, sign language interpreters, enlarged materials, assistive technology and equipment, etc.

A student seeking accommodation must make his/her request to the Coordinator for Student Disability Services. Preferably, the student will make this request in person. If it is not feasible for the student to meet in person, the request for accommodation can be made in writing or via electronic mail with appropriate identification. Requests for accommodation made to University personnel other than the Coordinator will not be supported by the Student Disability Services Office.

The request for accommodations should be made far enough in advance to allow for adequate time to respond to the request. The time required to put accommodations into place will vary with the type of accommodation. For example, arranging to take a test in the Student Success Center requires 48 hours notice. Requesting a sign language interpreter should be done at least three months prior to the start of classes to insure the availability of an interpreter. The specific time allowances and how to request different accommodations can be found in the Student Disability Services Policies and Procedures, Procedure 6.00, available from the Coordinator for Disability Services or on the website: www.mssu.edu/disability-services/.

All students are asked to provide documentation when requesting accommodations for two reasons (1) To establish that the individual is a person with a disability (2) To determine appropriate accommodations. The documentation must establish that the person has a substantial limitation in a major life activity and is therefore an individual with a disability. Documentation may be required from more than one professional source in order to clearly identify the need for accommodations for individuals with multiple disabilities.

All documentation, regardless of source, should contain the following six essential features:

1. A diagnostic statement identifying the disability, date of the current diagnostic evaluation and the date of the original diagnosis.
2. A description of the diagnostic criteria or diagnostic tests used.
3. A description of how the disability affects one of the major life activities and the current functional impact of the disability.
4. Treatments, medications, assistive devices/services currently prescribed or in use.
5. A description of the expected progression or stability of the impact of the disability over time should be included.
6. Information describing the certification, licensure and or the professional training of individuals conducting the evaluation.

The age of the documentation will vary dependent on the type and nature of the disability. This variance occurs because some disability-related needs are static while others change rapidly. Detailed guidelines for documentation for each area of disability are available from the Coordinator.

The Coordinator shall make determination of reasonable accommodations for students based on appropriate documentation provided by the student. The authority to make such decisions on behalf of the institution has been assigned by the Vice President for Student Affairs.

Once appropriate documentation has been supplied to the Coordinator and the determination has been made that the documentation supports the need for accommodation, the student and Coordinator will draw up an Accommodation Plan. The Accommodation Plan will remain in effect until either (1) the plan's date of expiration passes or (2) the student requests an accommodation not previously listed on the plan. In the event of the second, the Accommodation Plan will be adjusted in accordance with the student's documentation supporting the request.

The student is responsible for notifying faculty of any accommodations that he or she may be accessing in relationship to the faculty member's class. The student will be given a memo from the Coordinator detailing the authorized accommodations.

If the accommodations listed in the Accommodation Plan are not provided or are not effective in providing equal access, the student or faculty member should follow the procedures for filing a grievance listed in Policy and Procedure 9.00. All other issues (i.e. housing, sporting events, facility access, etc.) should follow the grievance procedures outlined in Procedure 9.02. The Grievance Procedures are available from the Coordinator, the Dean of Students, the Vice President for Student Affairs or our website:
www.mssu.edu/student-affiars/disability-services/.



FINANCIAL AID

Becca Diskin
DIRECTOR OF FINANCIAL AID
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mssu.edu/student-affairs/financial-aid

Mission

The mission of the Financial Aid Office at Missouri Southern State University is to make education possible for students who would normally be deprived of a University education because of inadequate funds. Based on the belief that higher education should not be a privilege reserved only for those who can afford to purchase it and that educational opportunities should not be limited by the financial resources of the student and their family, the University will seek out funds making them available to current and prospective students so as to meet their demonstrated academic ability and financial need without regard to race, creed, national origin, age, sex or disability.

Missouri Southern participates in a variety of aid programs to assist qualified students who would otherwise not be able to attend the University. These funds – from private, institutional, state and federal sources – are coordinated to meet the individual student's need. There are programs based on various criteria such as financial need, performing ability and academic excellence. Each program has requirements for maintaining the award and students must meet satisfactory academic progress guidelines for continued assistance. It should be noted that institution standard requirements must be equal to or greater than federal aid. Foreign students are required to present a financial statement certifying they have sufficient funds to pay for all educational expenses. Information in this catalog regarding financial aid is subject to change without notice. Missouri Southern reserves the right to adjust a student's financial aid package to reflect a true change in the student's financial situation. Financial aid awards are subject to changes in institutional policy and State and Federal regulations.

For applications and detailed information concerning financial aid, view our website at http://www.mssu.edu/financial-aid/index.php. There is a wealth of financial aid available in many forms from a variety of sources.

How to Apply for Financial Aid

1. All applicants must complete the Free Application for Federal Student Aid (FAFSA) and request a FSA ID which will be used in processing federal documents. MSSU prefers the electronic application on the Web at www.fafsa.gov, where you may request the FSA ID. Likewise, all applicants must have a current e-mail address where financial aid information will be sent. Application deadline for priority processing is February 1; however, all applications will be processed. The FAFSA will generate a Pell Grant, if applicant is eligible and will be used to determine eligibility for student loans, federal work-study and the Access Missouri Program.
   Students who have not submitted all necessary financial aid documentation by May 1 for the Fall term, November 1 for the Spring term and April 1 for the Summer term are expected to pay their fees in full by the published due date.

2. Applicants selected for verification must provide additional documents requested (such as Federal Income Tax Transcript) to the Financial Aid office. Requested documents must be on file before any aid will be processed.

3. Applicants for PLUS loans must contact the Financial Aid Office for special instructions.

4. Applicants for Foundation Scholarships must complete a scholarship application online by March 1 for the upcoming fall term.

5. Transfer students must request an academic transcript for each college or university previously attended and have it evaluated by the Office of the Registrar so aid can be processed accurately. If a student transfers in the middle of an Aid year, they must request that all remaining financial aid disbursements be cancelled so their aid can be processed at MSSU.

6. Applicants for performance awards should contact the director of the program in which they wish to participate.

7. Applicants for special programs should contact the Financial Aid Office for instructions.

8. All students receiving any type of institutional scholarships or other types of aid processed through the Financial Aid Office must complete the FAFSA each academic year to continue to be eligible for aid. See http://www.mssu.edu/student-affairs/financial-aid/scholarships/index.php for more information on MSSU scholarships.

Repayment Notice for Federal Financial Aid

Students who withdraw prior to the 60% completion of the semester will be subject to repayment of part or all of their aid, as determined by federal regulations. This includes official and unofficial withdrawals stemming from student's last date of attendance prior to the 60% of semester earned.
Students will be notified in writing of any amount due as a result of withdrawal. A hold will be placed on the student's account until repayment is made in full.

Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:

1. Referral to the federal government for collection.
2. Ineligibility for federal financial aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

Policies and Regulations

Academic Standards: Federal Aid

In order to remain eligible to receive Title IV Funding*, a student must be making satisfactory academic progress. Grade-point average, pass rate, and the time frame that a student takes to complete a normal educational degree program are factors which must be evaluated when measuring satisfactory academic progress.

*Title IV funds consists of Federal Pell Grant, Federal College Work-Study, Federal Direct Subsidized and Unsubsidized Stafford Loans, Federal Perkins Loan, Federal SEOG, Federal TEACH Grant, and Federal PLUS Loans. Most State Aid Programs also require satisfactory academic progress.

Students must maintain a 2.0 cumulative GPA (3.0 if pursuing a Master's degree) and successfully complete 67% of the courses they have attempted to remain eligible for federal financial assistance. Attempted hours include hours earned, hours transferred in from other schools, hours which are attempted at another institution which are not transferable, hours withdrawn, hours audited, repeated courses, failed courses and pass/fail credit courses. Successful completion is defined as the absence of failing grades and voluntary or involuntary withdrawals. Satisfactory academic progress is monitored on a

untary withdrawals. Satisfactory academic progress is monitored on a semester basis. Students who fall below the required 2.0 cumulative GPA at 60 attempted hours and/or the 67% completion rate lose eligibility for federal financial assistance the following term. Students may be granted a one semester warning period. At the end of the warning semester, the student must meet the cumulative grade point and credit hour completion requirements based upon hours attempted and earned, in order to avoid being placed on financial aid suspension.

Students who fail to make progress during the warning period will be ineligible to receive federal financial assistance until the student obtains the required 2.0 GPA and 67% course completion rate. Students who successfully complete a plan of study will remain eligible for financial assistance as long as they do not withdraw from classes and continue to pass all coursework with a grade of 'C' or higher (or maintain required GPA), and improve completion ratio. Should a student's instructor report that a student has never attended or has stopped attending a course while the student is on warning, the student is no longer eligible to receive federal financial assistance.

Although students will be notified in writing should they fall below satisfactory academic progress standards, it is the student's responsibility to know their academic standing in regards to this policy. Failure to receive notification does not dispute or reverse the termination of a student's eligibility to receive financial assistance.

In addition, the federal government requires an institution to establish a time frame in which a student must complete their degree program. Undergraduate students seeking an associate's degree must complete their program within 93 attempted hours. Students seeking a baccalaureate degree must complete their degree program within 186 attempted hours. Students seeking a certificate must complete their program within 150% of the required credit hours needed. Students pursuing a master's degree must complete their program within 54 attempted hours. Students are no longer eligible for aid when they reach the hour limit.

Once an institution is aware that a student cannot complete their degree program within the established time frame, the student is no longer eligible to receive federal financial assistance. Students approaching the maximum time frame (160 attempted hours for baccalaureate students) are required to submit a Plan of Study Form to the Financial Aid Office. Financial assistance will be delayed until this form is reviewed and it is determined that the student can complete their program of study before exceeding the maximum limit.

Students may submit a written appeal to the Financial Aid Office if there are documentable extenuating circumstances that caused the student to not meet the required satisfactory academic progress standards. Appeals may be submitted online or in writing with documentation to explain the validity of the appeal and circumstances which caused the student to not meet the required standards.

Other Duties and Responsibilities of Financial Aid Recipients

Missouri Southern operates on a financial aid database system which processes applications and awards electronically. It is to the applicant's advantage to use forms and applications which are capable of processing data electronically. The electronic system requires student signatures or electronic use of the FSA ID so they can update application data, sign promissory notes, perform entrance counseling and exit counseling and make corrections. "S" IDs and Passwords to access LioNet are used to view billing, requested documentation, award acceptance and financial aid messages before funds can be processed. In addition, students must maintain a current email address and monitor it for requested documentation, award information, notices and correspondence from the Financial Aid Office.

Students must report the following changes to the Financial Aid Office:

1. withdrawal from all classes during a semester,
2. added or dropped classes during the semester,
3. a name change,
4. change of address or email address or change of parents' address,
5. transfer to another college.

Financial aid funds will be credited to the student account. Once all direct university costs have been satisfied, balance funds will be disbursed to the student starting with the end of the third week and every week thereafter throughout the semester.

MSSU offers two options for students interested in working on-campus: work-study student employment and regular student employment. Students seeking on-campus employment should contact the Student Employment office in Hearnes Hall, or visit MSSU.edu and search "Hire a Lion".

Veterans must sign up for veterans' benefits prior to or at the beginning of each semester in the Financial Aid Office.



FIRST-YEAR EXPERIENCE

Teresa Thompson
DIRECTOR
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mssu.edu/student-affairs/first-year-experience

Philosophy Statement for the First-Year Experience

Missouri Southern State University is committed to making the first year of college a success for each student. This idea is translated into action by fostering five integrated components:

- a smooth transition into university life;
- a sense of shared responsibility;
- a challenging and stimulating learner-centered academic environment;
- a sense of inclusive community;
- a comprehensive support program of personnel and resources.

The University facilitates the transition to higher education from diverse life experiences and develops lifelong learners for intellectual, cultural and social exchanges. The responsibility for student learning is shared by all members of the campus community. The University's liberal arts foundation prepares students to become knowledgeable, critical thinkers who can meet the challenges and responsibilities facing global citizens. Missouri Southern fosters a sense of community, campus spirit and support for its first-year students by promoting connections with faculty, administrators, support staff and peers. Continuous quality assessment of each of the components is conducted so that necessary changes are implemented to maximize the first-year experience.

Missouri Southern's philosophy for the first-year experience is put into action in numerous ways. The faculty and staff members bring the philosophy to life by their friendly and helpful approach to students. First-year students have opportunities to participate in activities and events designed to introduce them to others and campus life.

The First-Year Experience Program has been established to help achieve the goal of beginning-student success through several avenues, including offering the UE 100: The University Experience course for all beginning students, Learning Communities, the Common Reading Program and the UE 400: Leadership Training I and UE 401: Leadership Training II courses for course assistants.

UE 100: The University Experience is a fundamentals course designed to assist first-year students in successfully defining themselves both as active participants in the MSSU community and as citizens of a twenty-first century global community. The course offers information on university personnel, facilities, services, policies, study skills and MSSU's international mission and international study opportunities. Student participation in co-curricular activities is required. The course is taught by an instructor with the assistance of a course assistant. The course assistant serves as a mentor and a resource for the first-year students.

Learning Communities

A Learning Community is a group of courses that students take together. Learning Communities are comprised of a University Experience 100 course (required for all first-year students) and one general education or major requirement course. In addition to attending classes, students enrolled in a Learning Community also participate in social activities together. Being a part of a Learning Community is a great way to make friends and form study-groups with like-minded students.

MSSU Common Reading Program

Each year, a book is chosen as a Common Reader for use in all sections of the UE 100: The University Experience course. Students read, discuss and study the book, as well as its author. The book is chosen by a committee prior to the start of the academic year. A speaker related to the reading (i.e. author, translator, character) comes to campus to lecture and meet with the first-year students and the campus as a whole.

Course Assistant Program

Course Assistants (CAs) are upper-level students who share their insights and experiences with entering students in the University Experience class. Their recent experiences and success in the academic environment make them effective models. Upper-level students apply for the assistant role and receive training through UE 400 and 401: Leadership Training I & II.

INTERCOLLEGIATE ATHLETICS

Jared Bruggeman
ATHLETICS DIRECTOR
North Endzone Facility 212 • *417-625-9317*
Rachel Burleson - Associate Athletics Director/Administration/Compliance

The purpose of the Missouri Southern Athletics Department is to empower student-athletes with the confidence and ability to succeed in life as well as on the playing field. The Athletics Department feels its most important responsibility is to assist its student-athletes in reaching their highest potential as they strive for excellence academically, athletically and socially within a diverse and challenging society.

We are proud to be NCAA Division II members. The Division II membership as a whole prides itself on finding balance in the world of collegiate athletics. Student-athletes in the Division II ranks can compete at very high levels athletically, but more importantly are encouraged to fully apply themselves toward getting a quality education and ultimately a college degree.

In addition to being an NCAA Division II member, Missouri Southern participates in the Mid-America Intercollegiate Athletics Association. We annually enroll nearly 350 student-athletes and our university teams compete on the intercollegiate level in baseball, basketball, cross country, football, golf, soccer, softball, track & field and volleyball.

Collegiate athletics in general receives tremendous media coverage and public attention. We in the Missouri Southern Athletics Department intend to use this public stage to bring positive attention to Missouri Southern State University as a whole. We will accomplish this goal by being active in our community, by engaging our community and fans by competing with tremendous effort on our fields of play and by encouraging our student-athletes to conduct themselves with Lion Pride.

NCAA Student-Athlete Affairs

The mission of the NCAA is to maintain intercollegiate athletes as an integral part of the campus educational program and the athletes as an integral part of the student body.

The NCAA Student-Athlete Affairs unit provides life skills support in the areas of academics, athletics, personal development, career development and service through the distribution of accessible resources, strategic partnerships and customized programming. Student-Athlete Affairs programs, resources and events are designed to promote the well-being and development of student-athletes and to provide on-going education and training to athletics professionals who identify and serve student-athlete needs.

Missed Class Policy Due to Athletic Events

Whenever possible, athletic events should be scheduled to avoid missed class time by student-athletes. If a class must be missed due to an athletic event, the student-athlete is expected to inform the instructor(s) in advance and is responsible for all information, tests, materials and assignments missed. Student-athletes are expected to complete assigned work prior to departure for competition, unless the instructor has agreed to other arrangements. Student-athletes should make all efforts to avoid other absences.

Scheduling of Nonconference Competitions During Finals Week

No nonconference competitions, excluding postseason/championship competitions, shall be scheduled during Finals Week. Exemptions to this policy will be considered by the Intercollegiate Athletics Committee (IAC). The Athletic Director will present the case for proceeding with the exemption. The IAC will make the final decision on the exemption.

Student-Athlete Success Program
Hearnes Hall, 417.625.9324

Academic Excellence
The top priority of Missouri Southern is that all student-athletes obtain a well-rounded education and earn an undergraduate degree. The Student-Athlete Success Program academic counseling unit is located within the office of Advising, Counseling & Testing Services (ACTS).

Goal
Our goal is to maximize academic potential by providing an atmosphere that enhances: learning skills, career development and personnel counseling. Each student-athlete is held accountable for his/her academic performance. The ACTS staff will work hard to provide support needed for athletes to be successful students.

Ongoing process includes:
- Monitoring and reporting on academic and eligibility progress hours
- Assisting in the registration of freshman and sophomore athletes
- Referring student-athletes for tutoring, counseling or other academic assistance
- Helping student-athletes to maintain a balance between personal, scholastic and athletic lives.

These services are intended to help student-athletes reach their goals by providing the information and guidance that will enable them to use existing campus resources to enhance their academic performance.

RECREATIONAL SERVICES

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DIRECTOR OF AQUATICS & WELLNESS/PREVENTION COORDINATOR
Billingsly Student Center 241 • 417-625-9533

The Department of Recreational Services is comprised of six program areas under the Division of Student Affairs. The purpose of Recreational Services is to provide a wide variety of fitness, wellness, recreational, outdoor and sport related activities to the university community. The Campus Recreation Program offers activities for students, faculty, staff and their families. Recreational Services also offers activities on various days and times in an attempt to meet the needs of traditional and non-traditional students. Recreational Services conducts programming in the following areas: Intramural Sports, Wellness, Fitness, Aquatics, Outdoor Adventures, Open Recreation and Special Events.

Prevention Outreach
Missouri Southern actively participates in the statewide coalition Partners in Prevention (PIP). PIP's mission is to create a campus, city and state environment that supports responsible decision making in regards to alcohol by the college students who attend the public higher education institutions in the state of Missouri. PIP's focus is on decreasing at-risk drinking by students on Missouri's college and university campuses. Nationally recognized Missouri Partners in Prevention has been selected as a recipient of CADCA's 2009 Got Outcomes! For more information about these efforts visit http://pip.missouri.edu/

Prevention Programming
Includes Wellapalooza, Connect 2U (Mental Health Week), Healthy Relationship Week, Eating Disorder Awareness Week, Gambling Awareness, Safe Spring Break Week and Final Madness. During these events we educate students in a variety of ways and activities.

REGISTRAR

Cheryl Dobson
RECISTRAR
Hearnes Hall 101 • 417-625-9515
registrar@mssu.edu
mssu.edu/student-affairs/registrar

Mission
The mission of the Office of the Registrar of Missouri Southern State University shall be to provide quality and efficient support services to faculty and staff, prospective, current, and former students and members of the community in an ethical and honorable manner as directed by the University's mission. Student learning and engagement is reinforced through the expectation of adherence to established university policies and established procedures in order to promote responsible citizenship. We vow to uphold the integrity of student records as required by university, state, and federal requirements on a fair and consistent basis using "best practices" recommended by the American Associate of Collegiate Registrars and Admissions Officers.

Family Educational Rights & Privacy Act (FERPA) 1974

Notice of Student Rights and Responsibilities
The Family Educational Rights and Privacy Act of 1974, as amended (also referred to as the Buckley Amendment), is a federal law regarding the privacy of student educational records and the access provided to these records. Any educational institution that receives funds under any program administered by the U.S. Secretary of Education is bound by FERPA requirements.

What Are Educational Records?
Under FERPA, educational records are defined as records that are directly related to a student and are maintained by an institution or by a party acting for the institution. Educational records can exist in any medium, including: typed, computer generated, videotape, microfilm and email, among others.

- The law applies to all students in higher education, regardless of age, once they begin attending classes. The law continues to apply to students even after they have graduated, but ceases to apply upon the death of the student.

- The University will not release information, other than directory information, from a student's educational record without the student's prior written consent, except to authorized persons and organizations. At MSSU, parents are not permitted access to their child's educational records unless the student has provided written authorization permitting access.

- Authorized persons and organizations are those who have a legitimate educational interest.

  1. A legitimate educational interest means that the person or organization is required to perform certain duties and these duties involve the use of student data.

- Authorized persons include employees of Missouri Southern State University (including but not limited to: staff, instructors, advisors, and campus police), third parties with a legitimate educational interest, the U.S. Department of Education and other education authorities carrying out official duties, as well as financial aid lenders. Also included are organizations which MSSU has contracted as agents of the University. An example is the National Student Clearinghouse.

- There are exceptions to the rule of non-disclosure, which involve health and safety. This means that to prevent sickness, injury or death, the University may disclose information usually held to be protected. Also, an agent of the court with a properly issued court order or subpoena may receive student data, though we will first attempt to notify the student before complying with the subpoena.

Directory Information

Directory Information at MSSU may be made available to the general public unless the student completes a Privacy Request form in the Office of the Registrar. In the case of a Privacy Request, the University will not release any information, even directory information. This restriction does not apply when providing information to those who have a legitimate educational interest.

The following is considered Directory Information:

Student's name, student identification number, address, university email address, telephone listing, photograph, major field of study, grade level, dates of attendance, enrollment status (full-time or part-time), degrees, honors and awards received, participation in officially recognized activities and sports, appropriate athletic statistical data, most recent previous educational agency or institution attended and next of kin or spouse (emergency only).

STUDENTS HAVE CERTAIN RIGHTS UNDER FERPA, THESE INCLUDE:

- The right to inspect and review their educational records within 45 days of a request for access. Students should submit to the Registrar a written request that identifies the record(s) they wish to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. The institution may refuse to provide a copy of a student's education record provided such refusal does not limit access.

- The right to request the amendment of education records that the student believes are inaccurate. The student should write the University Registrar, clearly identify the part of the record they want changed and specify why it is inaccurate. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
- The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA.

Limitations exist on students' rights to inspect and review their education records. For example, the institution is not required to permit students to inspect and review the following:

- Records which do not contain educational information or do not fall into the category of educational records because of how they are maintained.
- Financial records of parents.
- Confidential records placed in education records prior to 1975 if they are used as intended.
- Confidential recommendations or receipts of honors if the student has waived the right of access to such information.
- Documents containing information on more than one student.

Please refer to the Academic Standards section on page 42 for academic policies.

RESIDENCE LIFE

Josh Doak
DIRECTOR OF RESIDENCE LIFE
Mayes Student Life Center 102 • 417-659-4460
Residence Life Office • BSC 347 • 417-625-9522
residencehall@mssu.edu
mssu.edu/student-affairs/residence-life

The Missouri Southern on-campus residence requirement is as follows: "All freshmen under the age of 21 are required to live in the Missouri Southern residence halls to the extent space is available, unless they are married or live with their parents."

The University provides air conditioned residence hall accommodations and meals for over 900 students. Concerned with the total needs of the students, the University maintains a safe and comfortable place to live and an adequate physical environment as well as opportunities for learning. The atmosphere in the residence halls contributes significantly to the students' personal growth and maturity.

The residence halls are staffed by three full-time professional resident directors and 21 paraprofessional resident assistants. The programming body for resident students is the Residence Hall Association (RHA) which provides educational, social and recreational programs.

Residence hall rooms are fully furnished except for linens and personal items. Cable TV and internet are available in every room. To apply for a room in a University residence hall, a prospective student may complete an Application Contract for Room and Board and pay the $150 deposit through Lionet on the MSSU website. The deposit is retained by the University as long as the student is in residence and refunded upon termination of the contract if all terms of the contract are fulfilled. Twenty-five dollars is withheld from all returned deposits for cleaning.

This contract, which is a combined contract for room and meals, is effective for the entire academic year (fall and spring semesters) or for the remaining portion of the academic year if entered into after the beginning of the fall semester. Detailed terms will be found on the contract form. Contracts for room only are not available.

The University is not responsible for the loss of or damage to any personal property of students.

Accessible residence hall rooms are available for students with disabilities. In addition, the Dianne Mayes Student Life Center and the dining hall are accessible. Specific accommodation needs can be met upon request. If you need accessible housing, please fill out the appropriate section on the application contract. If you have questions about accessible living, please contact the Director of Residence Life (417.659.4460) or the Coordinator for Disability Services (417.659.3725). For detailed rules and regulations governing residence hall living at Missouri Southern, contact the Residence Life Office.

MAYES STUDENT LIFE CENTER

The Dianne Mayes Student Life Center is a state-of-the-art facility focused on providing social and recreational avenues for Missouri Southern students. Located directly behind McCormick and Blaine Halls in the residence hall complex, the center has extended hours to better serve all students, both commuter and resident, plus faculty and staff.

Mayes Dining Hall is located on the 2nd floor and operates on funds received from board payments from residence hall students and cash sales for individual meals. Other facilities, located on the 1st floor, include a large television lounge equipped with surround sound, an aerobics room, computer lab, laundry room, as well as table tennis, video game stations, billiards, game tables and a study area. The Mayes Student Life Center also serves as the location of a centralized information outlet, as well as a mail room providing service to all resident students.

For more information regarding the center's hours of operation, programs and policies governing the use of the facility, contact the Mayes Student Life Center Office, Room 101, Mayes Student Life Center (417-659-4461).

BILLINGSLY STUDENT CENTER

Jack Berry
COORDINATOR OF BSC EVENTS
For Reservations Call:
417-625-9760 • 417-659-4126

The Billingsly Student Center (BSC) is centrally located to provide convenient access to student services and facilities. The Recreational Services Office oversees reservations of this building's meeting rooms, equipment, lounges, the Connor Ballroom, Phelps Theatre and the Lion's Den. Reservations can be made for departmental use, student organizations and off-campus meetings for events held in the Student Center. BSC is home to the Beimdiek Recreation Center, a 60,000-square-foot fitness center that includes a 3-court gymnasium, an elevated jogging track, two fitness areas with free weights and cardio/weight machines, two studios for fitness classes, a fitness testing center, locker rooms and a 150 seat theatre. The Willcoxon Health Center helps to provide the medical needs for students and includes exam rooms, a procedure room, nurses station, and laboratory. The University Bookstore is the students' source of rental and purchase textbooks, classroom materials, campus clothing and gift shop. The Campus Card Services Center and Ticket Office handles ticket sales for both on-campus and off-campus activities and entertainment. The Lion's Den Food Court, serving breakfast and lunch, offers a variety of foods and beverages for every appetite. There is also a large lounge perfect for studying and watching TV.

STUDENT ACTIVITIES

Landon Adams
DIRECTOR OF STUDENT ACTIVITIES
Billingsly Student Center 210 417-625-9669 • 417-625-9346
mssu.edu/student-activities

Student Activities Office Campus activities are scheduled in the Student Activities Office. The office also oversees the 70+ recognized student organizations, assists students in organizing or re-instituting student organizations and produces and promotes various special events. The Student Activities Office also approves all forms of advertising for on-campus bulletin boards.

Campus Activities Board (CAB) The Campus Activities Board, a student organization supported by student activity fees, has the responsibility for programming social, educational and recreational activities for the entire college community. Students may volunteer to serve on CAB committees that assist in planning concerts, family events, novelty events, lectures, special events and public relations. Interested students are encouraged to attend the weekly meetings or stop by the Student Activities Office.

Greek Life Greek Life at Missouri Southern is an exciting philanthropic and social opportunity. MSSU has two sororities: Alpha Sigma Alpha and Zeta Tau Alpha and three fraternities: Kappa Alpha order, Kappa Sigma and Sigma Pi. Main recruitment for these groups are in the beginning of the fall semester but many do continue throughout the year. Go Greek!

STUDENT HEALTH SERVICES

Julie Stamps, APRN-BC, FNP
DIRECTOR OF WILLCOXON HEALTH CENTER
Billingsly Student Center 242 • 417-625-9323
mssu.edu/student-affairs/willcoxon-health-center

The Willcoxon Health Center is staffed with one full-time nurse practitioner and a registered nurse. The University physician is available for appointments on campus every two weeks. Appointments to see the nurse practitioner Monday through Friday from 8 A.M. to 5 P.M. can be made by contacting the Willcoxon Health Center. All currently enrolled students are eligible for treatment at the Center. Some of the services offered are: first aid and injury care, TB skin and blood testing, flu shots (in season) and screening for certain illnesses. Most services are free; however, students are expected to pay for vaccinations, laboratory, x-ray, work/school physicals, emergency room, hospital services, gynecological, STD testing, prescriptions and ambulance service. The Health Center maintains confidential files on current students, including medical history and immunization records. Recommendation and referral to community or campus resources are also part of student health services.

A health insurance plan for students is strongly recommended.

Communicable Diseases and Requirements

Students must submit proof of immunization, including two doses of Measles/Mumps/Rubella (MMR) vaccine and a TB screening questionnaire and/or testing within the last year. A TB questionnaire is available on LioNet and must be completed each semester. If student has no proof of two MMR vaccines, a titer can be drawn at the student's expense to test immunity or the student can bring proof from another source to present to the health center. These records are to be kept on file in the Willcoxon Health Center. The state of Missouri requires all university-owned housing students to also receive the meningococcal vaccine (for meningitis) The only exception is a medical or religious exemption. Please contact the health center about details for exceptions. In the instance of an outbreak of a communicable disease on the MSSU campus by a student, faculty or staff member, the University physician and the Director of the Health Center will assume responsibility for conducting a thorough review based upon the best medical and legal information available. Students who have not provided proof of immunity to the Willcoxon Health Center may be restricted from University property in the event of an outbreak on campus. Any actions taken will respect the confidentiality of the individual as well as the individual's welfare and that of the University community.

STUDENT POLICIES

Dr. Ron Mitchell
DEAN OF STUDENTS
Billingsly Student Center 347D
417-625-9531

Student Conduct

In order to provide the best possible environment for personal and intellectual growth, the University has established regulations to guide student conduct. A summary of these rules and regulations is found in the Student Handbook which is available online.

Drug and Alcohol Prevention Program

Pursuant to the Drug-Free Schools and Communities Act Amendments of 1989, Missouri Southern State University has established a drug and alcohol prevention program for its students. The University's program is as follows:

Smoking and Tobacco Use Policy: The Board of Governors of Missouri Southern State University prohibits smoking and tobacco use of any kind, including e-cigarettes. Tobacco products are not permitted in any campus buildings. Smoking and other tobacco usage is permitted only in designated areas outside of buildings.

Substance Abuse Policy: Students are prohibited from using alcoholic beverages and illegal drugs on University-owned or controlled property and at University-sponsored or supervised activities. Irresponsible alcohol or other drug use off campus resulting in disorderly conduct on campus also is not acceptable. Any student of Missouri Southern State University found to have manufactured, dispensed, possessed or used a controlled substance in violation of the Substance Abuse Policy of this University will be subject to discipline in accordance with University policy and reported to local, state or federal law enforcement authorities for criminal prosecution. Criminal prosecution for these acts could lead to a conviction and such a conviction could result in a sentence imposing a monetary fine, imprisonment in a state or federal penitentiary or both.

Health Risks: Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks:

Alcohol and other depressants (barbiturates, sedatives & tranquilizers): addiction, accidents as a result of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

Marijuana: addiction, panic reaction; impaired short-term memory; increased risk of lung cancer and emphysema, particularly in cigarette smokers; impairment of driving ability.

Cocaine: addiction, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

Hallucinogens (acid, LSD, PCP, MDMA, etc): unpredictable behavior, emotional instability, violent behavior organic brain damage in heavy users, convulsions, coma.

Narcotics (heroin, Demerol, morphine, Codeine, etc.): addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

Inhalants (gas, aerosols, glue, nitrites, etc.): loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

Methamphetamines: addiction, irritability, sleeplessness, nervousness, sudden weight loss, pungent body odor, protrusion of eyes.

Resources: A variety of resources exist for drug or alcohol counseling, treatment or rehabilitation programs. A few are listed inside the front of the Student Handbook. For more detailed information concerning these resources and others available from the University and/or community agencies, students may contact the ACTS-Advising, Counseling and Testing Services (417-625-9595) or the Student Services Office (417-625-9392). Such referrals will respect individual confidentiality.

A main objective of the drug and alcohol prevention program is to encourage healthy attitudes and behaviors on the part of all students and responsible decisions about alcohol/drug use. Another objective is to provide students in certain high risk groups (freshmen, Greeks, athletes, residence hall students, etc.) with specific and up-to-date information regarding the long-and-short-term effects of alcohol/drug use. A final objective is to provide students with the necessary skills to help them carry out the decisions they have made in regard to their use or non-use of alcohol/drugs and how to effectively handle certain "high pressure" situations.

To meet the above objectives, information and assistance is provided to students in several ways. First, alcohol and drug films are shown and programs conducted in all orientation classes, which are required for all new students. Additional alcohol and drug information is presented in other academic classes, including KINE 103, Lifetime Wellness. Pamphlets about alcohol and drug use are distributed each semester. Special alcohol and drug training is provided annually for residence hall staff and orientation leaders.

The athletic department provides a program for varsity athletes. Special alcohol and drug programs are presented throughout the year. Active drug testing is done. A committee of counselors, teachers and clergy are available to assist varsity athletes.

The Student Services Office, Advising, Counseling and Testing Services, Campus Activities Board and the Residence Hall Association provide alcohol and drug programs throughout the year for all students.

Equal Opportunity

In accordance with federal law and applicable Missouri statutes, it is the University's policy not to discriminate in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its educational programs and activities on the basis of age, gender, color, race, religion, disability, veteran's status, national origin, ancestry or any other protected characteristic as established by law.

Anti-Harassment Policy: Missouri Southern State University is committed to fostering a working and learning environment where all individuals are treated with respect and dignity. It is and continues to be, University policy that harassment of employees, applicants or students in unacceptable conduct will not be tolerated.

Harassment is written, verbal or physical conduct that degrades or shows hostility or aversion toward an individual because of his/her race, color, ancestry, religion, gender, age national origin or disability that (i) has the purpose or effect of creating an intimidating, hostile or offensive work or learning environment; (ii) has the purpose or effect of unreasonably interfering with an individual's work or academic performance; or (iii) otherwise adversely affects an individual's employment or academic opportunities.

Harassment could also be sexual in nature. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature when any one of the following occurs: (i) submission to such conduct is made either explicitly or implicitly a term or

condition of an individual's employment or education; or (ii) submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting such individual; or (iii) such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creates an intimidating, hostile or offensive working or learning environment.

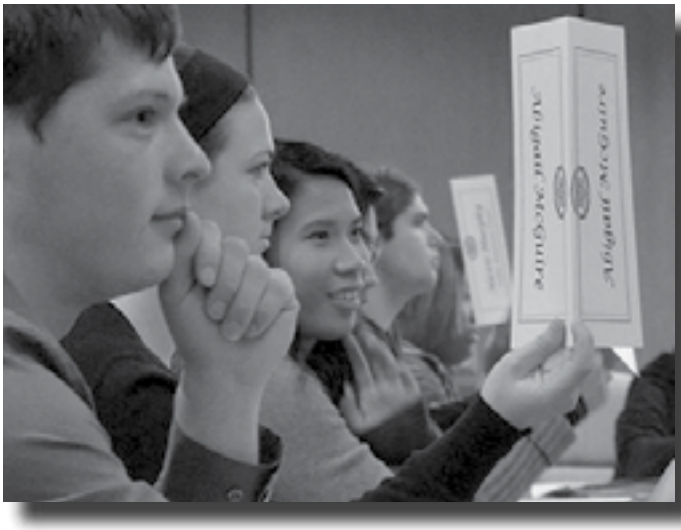
Any employee, student or applicant for employment or admission who feels that he or she has experienced or observed harassment by an employee of the University should report such incidents to his or her supervisor or to the Director of Human Resources without fear of intimidation or reprisal. Harassment complaints against students should be reported to the Dean of Students.

The University will promptly investigate all allegations of harassment in as confidential a manner as possible. The University will also take appropriate action to ensure that neither inappropriate language, nor conduct, nor sexual harassment persists.

STUDENT SENATE

Billingsly Student Center 347 • 417-625-9392
mssu.edu/student-senate

The Student Senate serves as the governing body for students and acts as a liaison between faculty and the student body. The responsibility for student government rests not only with the student officers, boards and committees but also with each member of the student body. The Student Senate is made up of elected senators from each class and the executive officers. The Student Senate is funded from student activity fees. Students wishing to speak with a Senate representative may do so via the Student Affairs Office.



STUDENT SUCCESS CENTER

Stephanie Hopkins
DIRECTOR
Hearnes Hall 301 • 417-659-3725
www.mssu.edu/student-affairs/student-success-center

Vision

The Student Success Center strives to enhance the mission of Missouri Southern State University by further developing, expanding, and articulating its support services for students. We will foster the potential of each student by providing College Academic Skills, Student Disability Services, Tutoring and the Tutor Training course. Additionally, the Student Success Center endeavors to increase the visibility of its services through greater participation by students and the campus community as a whole.

College Academic Skills – A course designed to develop and strengthen an understanding of student responsibility, goals and attitudes necessary for the successful transition to college. Active learning through critical thinking, reading and writing to support academic success at the University level will be practiced. Students will identify learning styles and strengths and weaknesses associated with their learning processes.

Tutor Training – Provides tutors with an educational foundation of the methods and techniques needed to tutor students in a higher education setting.

Tutoring in Content Areas – Peer tutors are available. Tutoring is available on a drop-in basis or by appointment. Both short- and long-term assistance is provided.

Writing Lab Services – Trained peer tutors instruct and coach students in all aspects of writing, such as writing process strategies, research paper documentation and correct mechanics.

Computer Lab – The Student Success Center offers a networked computer lab with Microsoft Office programs and Internet access.

Services for Students with Disabilities - The Student Success Center is the designated office on campus for the provision of academic accommodations for students with documented disabilities. Students who wish to request accommodations should begin the process by contacting the Office of Student Disability Services, located in the Student Success Center. Students are responsible for providing documentation and initiating the request for accommodations.

For more information on Student Activities, check out: http://www.mssu.edu/student-activities/

TRIO PROGRAMS

Talent Search • Project STAY • Upward Bound

TALENT SEARCH

Jim Kimbrough
DIRECTOR
Mills-Anderson Justice Center Room 20 • 417-659-5440
mssu.edu/talent-search

Mission
To encourage students in grades 6 through 12 and those who have never completed high school to graduate from a secondary program and enter a postsecondary program of study.

Talent Search is a federally funded program designed to identify qualified students with potential for success at the postsecondary level and encourages them to complete secondary school and enroll in a program of study after high school. Services provided through the program include: group and one-on-one tutoring, travel to area cultural events, visits to area college and university campuses, information on and assistance with college admissions applications and financial aid information, academic advising and assistance with choosing courses to prepare you for education after high school, information and assistance with college entrance exams including the ACT and SAT. The project serves 550 students. To qualify for services, students must be U.S. citizens, between the ages of 11 and 27 and completed the fifth grade. A veteran, regardless of age, may participate if otherwise eligible. Services provided by Talent Search are free to students and parents/guardians. For more information or an application, call the Talent Search office at 417-659-5440.

PROJECT STAY

Debbie Fort
DIRECTOR
Hearnes Hall 308 • 417-625-9830
projectstay@mssu.edu
mssu.edu/project-stay

Mission
To identify and provide comprehensive resources to ease student transitions into and through college and on to graduate education and professional life.

Project Stay is a federally funded Student Support Services grant program designed to identify and support qualified students, specifically first-generation, low-income, and disabled students. Project Stay provides individualized services to students in the program to determine a student's needs and goals and develop a plan of success. Services provided include: academic advising, priority enrollment (for freshmen and sophomores), career advising, one-on-one tutoring, job shadowing, financial aid and scholarship application assistance, peer mentoring, monthly educational workshops, assistance with applying to graduate school and travel to area cultural sites. All services are provided free of charge to students accepted into Project Stay. The Project serves 170 students. To qualify, students must be either first-generation college students (neither parent has a bachelor's degree), meet an income guideline or be a student with a disability. To get more information or an application, call the Project Stay office at 417-625-9830.

UPWARD BOUND

Robin Hicklin
DIRECTOR
Mills-Anderson Justice Center Room 19 • 417-625-9880
mssu.edu/upward-bound

Upward Bound is a federally funded program designed to help students gain the skills necessary to persist through high school and on to post-secondary education. Some of the services provided by Upward Bound include a six-week summer College Simulation Experience, monthly Saturday "Focus On" meetings, academic tutoring for current classes, opportunities to shadow student and professional mentors and field trips to area college campuses and cultural sites. The services provided by Upward Bound are free to students and parents/guardians. For more information, please contact the Upward Bound office at 417.625.9880.

UNIVERSITY DINING SERVICES

To Be Announced
DIRECTOR OF DINING SERVICES
Billingsly Student Center 208 • 417-659-3723

Food service is bid by the University and handled by a professional food service company. The dining hall operates on funds received from board payments and cash sales of individual meals.
All residence hall students must contract for board. Board contract includes a choice of three meal plans. Individual meals feature salad bar and unlimited servings, including entrées.

Commuter students interested in taking some or all of their meals at the University Dining Hall may purchase meal plans in the University Bursar's Office. Also, Lion Bucks are available for purchase in the One Card Office in Billingsly Student Center.

The Lion's Den food court, located on the 2nd floor of Billingsly Student Center, offers a variety of food options for students. University dining service also features a gourmet coffee shop, University Java, located on the lower level of the Spiva Library.

UNIVERSITY POLICE DEPARTMENT

Ken Kennedy
CHIEF, UNIVERSITY POLICE DEPARTMENT
417-625-9741
mssu.edu/offices/police

Policies Concerning The Law Enforcement Authority of Campus Security Personnel

The University Police Department (UPD) is responsible for campus safety at the University. Its jurisdiction covers all campus property. Its personnel have arrest authority. The UPD has a close working relationship with local law enforcement agencies, including the Joplin Police Department and Jasper County Sheriff's Office, which assist the UPD when necessary. The UPD has mutual

aid agreements with the Joplin Police Department, the Jasper County Sheriff's Office and other small city agencies (Duquesne, Webb City, & Carterville). The UPD is a member of the Tri-State Major Case Squad and may call for investigators to assist with investigations of serious crimes.

All crimes occurring on campus should be reported immediately to the UPD. Officers are available on campus 24 hours of every day. The emergency number to reach them is 417-626-2222 or just 2222 from a phone on campus. A dispatcher is scheduled to be in the office anytime classes are in session. When no one is in the office the phone automatically rolls to a cell phone carried by an on-duty officer on campus. If no contact can be made with the on-duty officer, people may call 417-623-3131 and the JPD Communications Center can dispatch a University Police officer directly.

Other Officials to Whom Crimes May Be Reported

MSSU also has designated other officials to serve as additional campus security authorities. Reports of criminal activity can also be made to these officials. They in turn will ensure that they are reported to the UPD for collection as part of the University's annual report of crime statistics. These additional campus security authorities are: Vice President of Student Affairs (Darren Fullerton, 417-625-3135), Dean of Students (Ron Mitchell, 417-625-9531), and the Director of Residence Life (Josh Doak, 417-659-4460).

Policies on Reporting a Crime or Emergency

The University encourages accurate and prompt reporting of all criminal actions, accidents, injuries, or other emergencies occurring on campus to the UPD and appropriate police agencies even when the victim of a crime elects not to do so or is unable to make such a report. Such reports should be made as follows:

- Situations that pose imminent danger or while a crime is in progress should be reported to the University Police Department 417-626-2222 from any campus phone or cell phone. Although the UPD officers have primary jurisdiction, it does not preclude calling the Joplin Police Department (911) and the Jasper County Sheriff's Office (417-624-1600) in crisis situations. Keep in mind that the individual making the call from a cell phone will need to provide the address where the emergency has occurred. After making the call, also make a report to one of the campus security authorities identified above.
- Students, staff, and visitors should report criminal actions, accidents, injuries, or other emergency incidents to one of the campus security authorities identified above. Once reported, the individual making the report will be encouraged to also report it to appropriate police agencies. If requested, a member of the University staff will assist a student in making the report to the police.
- Anonymous incident reports can also be made.

UPD will protect the confidentiality of victims. Only those with a need to know the identity for purposes of investigating the crime, assisting the victim or disciplining the perpetrator will know the victim's identity. Moreover, the University will withhold the identity of victims in publicly available records, to the extent permitted by law.

Any victim of a crime who does not want to pursue action within the University disciplinary system or the criminal justice system is nevertheless encouraged to make a confidential report to a campus security authority. With the victim's



permission, a report of the details of the incident can be filed without revealing the victim's identity. Such a confidential report complies with the victim's wishes, but still helps the University take appropriate steps to ensure the future safety of the victim and others. With such information, the University can keep an accurate record of the number of incidents involving students, determine where a pattern of crime may be developing and alert the community as to any potential danger. These confidential reports are counted and disclosed in the annual crime statistics for the University.

Counselors with the ACTS Office are encouraged, if they deem it appropriate, to inform the persons they are counseling of the procedures to report crimes on a voluntary, confidential basis for inclusion in the annual report. Information will not be reported by counselors in the ACTS Office to the Dean of Students for a Title IX investigation without the consent of the person being counseled.

Additionally, upon written request, the University will disclose to the alleged victim of a crime of violence (as that term is defined in Section 16 of Title 18, United States Code), or a non-forcible sex offense, the report on the results of any disciplinary proceeding conducted by this institution against a student who is the alleged perpetrator of such a crime or offense. If the alleged victim is deceased as a result of such a crime or offense, the next of kin of such victim shall be treated as the alleged victim.

Bystander Intervention:

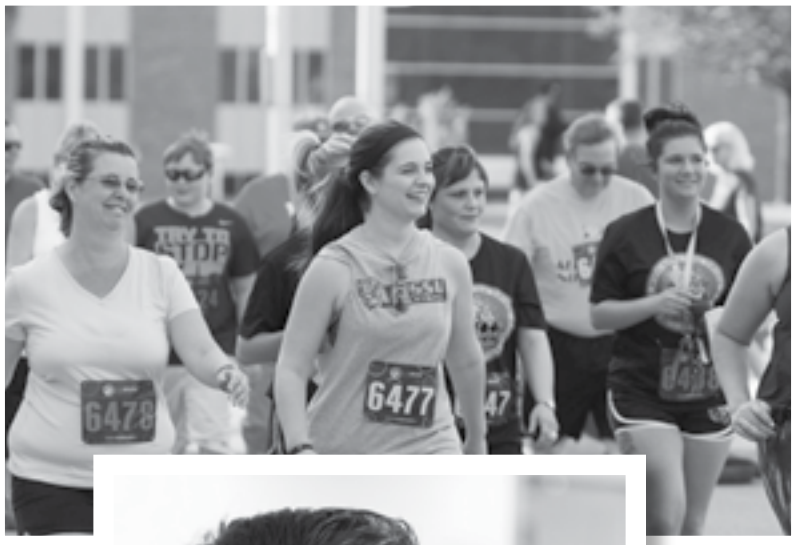
Often people don't intervene because they may assume a situation isn't a problem, or feel it is none of their business. They may assume that someone else will do something, or believe that other people weren't bothered by the problem. In some cases, a person might feel their personal safety is at risk.
When people do intervene in a situation, they often say that it was the right thing to do, and that they'd want someone to intervene if the roles were reversed. MSSU encourages students and faculty staff members to take action if they have an opportunity to prevent or intervene in an incident. They should also constantly be aware of events occurring around them and (if possible) create solutions.

Individuals on campus are even asked to intervene in situations as soon as it is possible to safely do so, at least speaking up so that others know what is going on. Of course, students and others should think about their response to ensure that their actions don't actually escalate the situation. Generally, telling friends that behavior is not acceptable is appropriate. Notifying the UPD or others in authority is also always appropriate.

*For all policies relating to student safety, Clery and Title IX, please use this link: mssu.edu/offices/police/




SPIVA LIBRARY


6478
6477







ACADEMIC STANDARDS
CREDIT OPTIONS
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GRADES & GRADING POLICIES
ACADEMIC OUTREACH
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SHOW-ME GOLD
WRITING PROGRAM



Academic Affairs ®

The policies and statements contained in the Student Affairs (Academic Affairs) section were written for the undergraduate students at Missouri Southern State University and as such may not apply to our graduate students. Please check with the coordinator of the specific graduate program for more information.

ACADEMIC AFFAIRS

Dr. Paula Phillips Carson

VICE PRESIDENT FOR ACADEMIC AFFAIRS AND PROVOST

Hearnes Hall 208 • 417-625-9394

mssu.edu/offices/academic-affairs

The Office of the Provost and Vice President for Academic Affairs is responsible for the administration of the instructional programs both on and off campus. The Honors Program, Writing Program, Institutional Effectiveness Office, Spiva Library, Academic Outreach, Distance Learning, Show-Me Gold and all academic units are under its direction.

ACADEMIC STANDARDS

Good Standing and Eligibility

Students enrolled at Missouri Southern are in good academic standing when they meet the standards of progress toward graduation as listed below. Those falling below these standards will be placed on academic probation. Persons failing to achieve normal progress toward graduation during the probationary period are subject to academic suspension. Students receiving financial aid must meet the good standing criteria listed below.

Those students competing in intercollegiate athletics (NCAA) or in organizations representing the University off campus shall be required to satisfy minimum standards of progress, as indicated below, following the completion of the first academic semester in order to maintain future eligibility in these programs.

Standards of Progress Toward Graduation*

A student's cumulative Grade Point Average (GPA) is used to evaluate progress. If the GPA falls below the minimum standards of progress, the work is considered unsatisfactory. Courses not applicable to the baccalaureate degree are not calculated in the GPA hours. Applicable for degree-seeking students only. IEP students should refer to the IEP section of the catalog.

Progress toward a degree is computed on the following GPAs:

*For the Associate and Baccalaureate Degrees

GPA Hours		GPA
1-22	semester hours	1.5
23-44	semester hours	1.6
45-66	semester hours	1.7
67-88	semester hours	1.8
89-110	semester hours	1.9
111 & Above		2.0

Academic Probation, Suspension and Appeal

Each student should consider a GPA of less than 2.0 as a warning. Those falling below the standards of progress toward graduation will be placed on academic probation. If the GPA is not raised to the minimum standard of progress during the probationary semester, the student is subject to immediate academic suspension from the University.

A student receiving academic suspension may not enroll at Missouri Southern for one semester. Re-entry may be denied by the Vice President for Academic Affairs and Provost, if the student cannot present evidence that indicates a high probability of academic success.

Students placed on academic suspension may file an appeal application through the Office of the Registrar by 5:00 P.M. on the Monday before the term begins.

Academic Bankruptcy

A student may petition the Academic Bankruptcy Committee to request one semester of academic work taken at MSSU be disregarded in computing the academic record. To be eligible for petitioning, a student must be in good standing, including financial, and must document the unusual conditions which justify the petition. The petition is initiated in the Office of the Registrar.

Academic Bankruptcy can never be used as a means of obtaining academic honors or athletic eligibility. Academic Bankruptcy will not remove grades from the student's permanent record. It merely allows one semester of recorded work to be eliminated in computing the student's GPA. Academic Bankruptcy cannot be applied to transfer courses. Once a degree is earned, a student is no longer eligible for bankruptcy.

Academic Bankruptcy is not permitted in the International English Program (IEP), the IEP student should refer to the IEP policies on page 97.

Repetition of Courses

Students may only receive credit value for a repeated course once. Students may repeat courses in which grades 'F, D, C or B ' have been earned. When a course is repeated, the first grade will not be removed from the record, but the latest grade will be used when computing GPAs. Transfer courses may be repeated if Missouri Southern offers the same course. Once a degree is earned, a student is no longer eligible to exclude the grade of the first course in their GPA.

Honor Roll

An Honors or Deans' List, issued at the end of each semester, contains the names of full-time undergraduate students who have a semester GPA of 3.75 or higher with no incomplete or in progress grade or a grade below 'C.' Courses below the 100 level are excluded from this calculation.

Academic Certificates

Selected departments have developed an academic certificate that strengthens the student's career preparation. Certificates may be earned independently from a degree. Certificate credit and course requirements vary. The overall GPA requirement is 2.0.

Graduation Honors

In recognition of superior scholarships, the University awards honors to associate degree and baccalaureate degree graduates. Honors listed below are not earned until courses are completed, graded and posted on the student's permanent record. Courses below the 100 level are excluded from this calculation.

Associate Degree — The student must have completed a minimum one half of the hours required for the degree in residence at Missouri Southern State University. The cumulative GPA required to receive:

First Honors	3.90-4.00
Second Honors	3.80-3.89
Third Honors	3.70-3.79

Baccalaureate Degree — Eligibility for any one of the following three honors requires the candidate to study all the junior and senior years at Missouri Southern and earn a minimum of 60 hours of credit:

Summa Cum Laude 3.90-4.00
Magna Cum Laude 3.80-3.89
Cum Laude 3.70-3.79

Revised Standards for Veterans Educational Benefits

The Revised Standards for Veterans Educational Benefits as adopted by the State Board of Education on February 17, 1977, are available in the Veterans Services Office. Each Veteran should see the Veterans Representative regarding these policies.

Any exceptions to the regulations above must receive written approval from the Provost and Vice President for Academic Affairs.

CREDIT OPTIONS

Special Policies for Financial Aid Recipients

Special policies and regulations governing financial aid recipients are filed in the Financial Aid Office, the Business Office and the Office of the Vice President for Student Affairs and Enrollment Management.

Resident Credits from Institutions of Equal Standing with Missouri Southern State University

Credits transferred from accredited colleges and universities will be given full value in similar courses whenever possible. The amount of credit given for courses studied in other institutions may not exceed the amount given at Missouri Southern for the same length of time of instruction. Students may not transfer credits to satisfy more than one half of the major course requirements in a department unless the approval of the Provost and Vice President for Academic Affairs is obtained.

Advanced Standing Examination

A student whose travel, employment, extensive readings or other unique educational experiences appear to have provided proficiency in a course required in the curriculum equivalent to that ordinarily attained by those taking the course in regular classes, may be granted permission to take an advanced standing examination. This examination may be a subject matter test of the College Level Examination Program (CLEP) or a comprehensive test designed by the department to cover the subject more fully than a regular final examination. In order to receive credit for a departmental examination, a student must have the following qualifications in addition to those listed above:

(a) be enrolled in the University at the time of the examination;
(b) not have taken an examination over the course within the preceding six months;
(c) not have credit in a more advanced course in the same field;
(d) be working toward a degree at Missouri Southern State University;
(e) have the approval of the chair of the department in which the course is offered;
(f) not use the examination to replace a previously earned grade.

After a student has taken a departmental examination, the professor will transmit the grade to the Office of the Provost and Vice President for Academic Affairs. If performance is equated as a 'C' grade or above, the Registrar will record the credit. The credit granted will be based on applicability and will carry the grade of "CR".

International Baccalaureate

Missouri Southern will grant up to 30 semester hours or the equivalent of one full year of university study, to those who have completed study in the International Baccalaureate curriculum in high school. Missouri Southern will grant university credit and advanced placement for International Baccalaureate courses completed at the higher level with a score of four or greater. Students with such backgrounds should contact the Admission Office for a detailed analysis of credits and standing. The credit granted will be based on applicability and will carry the grade of "CR".

Advanced Placement Test (AP)

Missouri Southern participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. Credits are granted for course areas in which a student has completed Advanced Placement Examinations with a score of 3, 4 or 5. The credit granted will be based on applicability and will carry the grade of "CR".

High School Dual Credit

Missouri Southern will accept credits earned from a regionally accredited college or university while the student was in high school. These credits are subject to regular transfer credit evaluation, and students must submit an official college or university transcript to the MSSU Office of Admission. Dual credits cannot be awarded based on a high school transcript.

Correspondence Course Credit

Missouri Southern accepts credit earned by correspondence from regionally accredited institutions. No student will be permitted to apply more than 12 hours of course work in correspondence toward his/her degree. The credit granted will be based on applicability and will carry the grade of "CR".

Course Credit for Military Service and Schooling

Military Service students who have completed a minimum of one year of active military service may be granted credit to meet the KINE 103 requirements of the general education curriculum. These requirements will be satisfied if the DD214 form is submitted to the Missouri Southern Office of the Registrar. Credit may also be granted for specific military schooling as recommended by the American Council of Education. The credit granted will be based on applicability and will carry the grade of "CR". The veteran must present documentation designating the military course, date and site of the course. For Military Withdrawal Policy, please refer to the Withdrawal section.

Validation Examinations

If Missouri Southern refuses to accept a student's earned credit in a course because of the method in which the course was taken or because the institution at which the course was taken was not accredited, the student may apply for a validation examination. In order to qualify for a validation examination a student must:

(a) be enrolled at Missouri Southern State University at the time the examination is taken;
(b) present the necessary evidence to prove that the course was taken;
(c) get approval from the school dean and the chair of the department in which the course is offered; and
(d) initiate the proceedings within the first eight weeks after entering the University.

The student initiates the request for examination at the academic department. The school dean and the department chair will appoint a professor to construct, administer and evaluate the examination. The result is reported to the Registrar who records the credit if the scale is 'C' or above and carry the grade of 'CR'.

Retro Credit Policy

Missouri Southern will award retro-credit for certain qualifying subjects. The credit granted will be based on applicability and will carry the grade of "CR". Students should contact the appropriate academic department to inquire about courses that qualify. Maximum allowable credits vary by department.

Credit for Life/Work Experience

Credit may be earned for career and professional experiences that are documented through the portfolio process. The availability of credit depends on the relevance of the students' experiences to their major as determined by the department and the school dean. The application process and initial advisement begins with the advisor for Experiential Credit. For information contact Robin Douglas at 417-625-9887.

DEGREE REQUIREMENTS

Catalog Time Limit

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first completed registration at MSSU provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSU and earned credit during the year of the catalog selected.

Transfer Student: The MSSU catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school and earned credit during the year of the catalog selected.

Developmental Courses

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The university reserves the right to require these students to take developmental courses in mathematics, composition, study skills or intensive English prior to participation in regular college level classes. Courses below the 100 level are not applicable to the baccalaureate degree and are excluded in honors calculations and calculation of the standards of progress toward graduation.

Course Numbers and Levels

Course Numbers:

0 - 99	Not applicable toward the Baccalaureate Degree
100-299	Lower Division
300-499	Upper Division
500-700	Graduate

Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

Baccalaureate Degree Requirements

A. Residence: The following minimum requirements must be met in residence at Missouri Southern: (1) 30 of the last 36 hours counted toward the degree; (2) one-half of the credit both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division credit both required for the major and in the major department.



B. Credit Hours: At least 124 semester hours of college credit applicable to a Baccalaureate Degree are required for graduation.

C. Grade Point Average (GPA): The following minimum cumulative GPAs are required for all Baccalaureate Degrees except the BSE. The GPA excludes not applicable to Baccalaureate Degree (NABD) courses:

1. a 2.0 GPA for all credit hours attempted;
2. a 2.0 GPA for all the courses required for the major, both inside and outside the major department;
3. a 2.0 GPA for all courses, required and elective, taken in the major department.

The following minimum GPAs are required for the BSE:

1. a 2.75 GPA for all credit hours attempted;
2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
3. a 2.50 GPA for all courses, required and elective, taken in the major department;
4. a grade of "C" or better in professional education courses and courses required for elementary education, special education and early childhood.

D. Upper Division Hours: A minimum of 40 semester hours of courses numbered 300-499 must be completed. Transfer courses will be granted lower or upper division attributes based on how the course was originally taken.

E. Foreign Language: All students expecting to graduate with a Bachelor of Arts degree must successfully complete 12 hours of the same foreign language.

F. Computer Literacy: All students will receive computer instruction to a level of understanding necessary for them to function as a member of society and to a level of skill sufficient to use the computer for problem solving within their discipline. Department chairs will certify the competency of the students in their disciplines.

G. Writing: Students will complete the writing goals established by the faculty in their selected major. Students graduating with the Bachelor of General Studies degree or the Bachelor of Applied Science degree will be required to complete one course beyond English 101 and 102 from the list of approved courses with a significant writing component.

H. General Education Curriculum Requirements: Missouri Southern has a general education requirement curriculum program that contributes toward the development of the whole person, as an individual and as a member of society. Transfer students should refer to the Transfer Student section of the catalog regarding the General Education requirements.

BACCALAUREATE DEGREE General Education Curriculum Requirements

A. WRITTEN COMMUNICATION — 6 HOURS

COURSE	DESCRIPTION	CREDIT HOURS
ENG 101	College Composition I	3 Hours
ENG 102	College Composition II	3 Hours
ENG 111	Adv. College Composition	3 Hours

B. ORAL COMMUNICATION — 3 HOURS

COMM 100	Oral Communications	3 Hours

C. MATHEMATICS — 3 HOURS

MATH 120 (or above)		3 Hours

D. LIFE AND PHYSICAL SCIENCES — 8-9 HOURS

REQUIRES AT LEAST ONE COURSE FROM EACH AREA

1. LIFE SCIENCE • 4 CREDIT HOURS

BIO 101	General Biology/Lab	4 Hours
EH 101	General Biology/Lab	4 Hours
BIO 110	Principles of Biology I/Lab	4 Hours
BIO 121	Human Anatomy & Physiology I/Lab	4 Hours

2. PHYSICAL SCIENCES • 4-5 CREDIT HOURS

CHEM 120	Chem. for Allied Health Sciences	5 Hours
CHEM 151	General Chemistry I/Lab	5 Hours
GEOG 201	Physical Geography	4 Hours
GEOL 120	Introduction to Geology/Lab	4 Hours
GEOL 185	Introduction to Meteorology/Lab	4 Hours
GEOL 201	Physical Geography	4 Hours
GEOL 210	Earth & Space Science	3 Hours
GEOL 212	Earth & Space Science Lab	1 Hour
PHYS 100	Fundamentals of Physical Science	5 Hours
PHYS 125	Descriptive Astronomy	4 Hours
PHYS 150	Environmental Physics	5 Hours
PHYS 151	Elementary College Physics I/Lab	5 Hours

E. SOCIAL AND BEHAVIORAL SCIENCES — 12 HOURS

1. REQUIRED COURSES

HIST 110 or 120	U.S. History	3 Hours
PSC 120	Government: U.S., State & Local	3 Hours

2. SELECT TWO COURSES WITH DIFFERENT PREFIXES:

ANTH 101	General Anthropology	3 Hours
ECON 101, 201 or 202	Economics	3 Hours
GEOG 101	Introduction to Geography	3 Hours
PSY 100	General Psychology	3 Hours
SOC 110	Introduction to Sociology	3 Hours

F. HUMANITIES AND FINE ARTS — 6 HOURS

1. SELECT ONE:

ART 110	Art Appreciation	3 Hours
MUS 106	World Music	3 Hours
MUS 110	Music Appreciation	3 Hours
TH 110	Theatre Appreciation	3 Hours

2. SELECT ONE:

ENG 250	Introduction to Literature	3 Hours
ENG 261, 262	World Literature	3 Hours
ENG 271, 272	British Literature	3 Hours
ENG 281, 282	American Literature	3 Hours
ENG 305	Short Story	3 Hours
PHIL 201	Introduction to Philosophy	3 Hours
PHIL 212	Ethics	3 Hours

G. HEALTH AND WELLNESS — 2 HOURS

KINE 103	Lifetime Wellness	2 Hours

H. UNIVERSITY EXPERIENCE* — 3 HOURS

UE 100	The University Experience	3 Hours

TOTAL GENERAL EDUCATION REQUIREMENTS: 43-44 HOURS

I. INSTITUTIONAL REQUIREMENTS — 3 HOURS

INTERNATIONAL STUDIES — SELECT ONE:

	Modern (Foreign) Language	3 Hours
ANTH 155	Physical Anthropology & Archeology	3 Hours
ANTH 342	Comparative Cultures	3 Hours
CJAD 301	International Justice Systems	3 Hours
CJAD 370	International Terrorism	3 Hours
COMM 305	Intercultural Communication	3 Hours
EDUC 280	Education in the Global Society	3 Hours
GEOG 111	World Regional Geography	3 Hours
GEOG 310	Human Geography	3 Hours
HIST 130 or 140	Western Civilizations	3 Hours
HIST 150	Asian Civilizations	3 Hours
HIST 160	History of Latin America	3 Hours
IB 310	International Business	3 Hours
INTS 201	Intro to International Studies	3 Hours
PHIL 320	Comparative Religion	3 Hours
SOC 303	The Arab World	3 Hours
SPAN 100	Workplace and Travel Spanish	3 Hours

TOTAL GENERAL EDUCATION CURRICULUM
WITH INSTITUTIONAL REQUIREMENTS: 46-47 HOURS



Areas A - H of the general education curriculum constitute the 42 semester hour block that meets the State of Missouri general education goals. This block should be considered equivalent to corresponding 42 semester hour blocks of credit at other public and signatory institutions in Missouri.

Students should select appropriate general education courses for their discipline.

* The University Experience course is required for all degree-seeking students who enter MSSU with less than 30 credit hours (excluding dual credit and credit in escrow) and transfer students who have not completed an orientation course.

298-498 Classes

Classes numbered 298 or 498 may not be counted toward General Education Requirements credit.

Major

All students will be required to declare their degree sought, their major, their status and whether they will attend half-time or full-time. A major provides in-depth study of a discipline and prepares the student for a career or advanced study. Advisors are assigned within the academic department according to major. Students may apply for more than one degree, excluding the Bachelor of General Studies, provided the major differs.

Academic Minor

Selected departments have developed an academic minor that in conjunction with the MSSU baccalaureate major strengthens the student's career preparation. A minor requires at least 18 semester hours of prescribed courses. At least six semester hours must be upper division and at least nine semester hours must be in residence. The overall GPA requirement is 2.0. A student may not earn a minor in the same field as the major. Minors should be declared as early as possible but may be added at any time, including after a baccalaureate degree from MSSU has been earned. Applications to add a minor after a degree has been earned are available through the Office of the Registrar.

A Bachelor of General Studies (BGS) Degree

The Bachelor of General Studies (BGS) is an alternative for students who do not wish to pursue an existing major. Two versions of the BGS are available. The General BGS requires that a student complete all General Education Requirements and other degree requirements. To pursue this option the student should consult with an advisor and declare the BGS as a major. The Directed BGS also requires that a student complete all General Education Requirements and other degree requirements including Writing Intensive (WI) and upper division. Additionally, a committee of faculty works with the student to combine courses from several areas to create a distinctive program. To pursue this option the student should declare the BGS as a major and consult with the dean of the school most closely associated with the course work. The dean will appoint a faculty committee to help the student structure the Directed BGS.

Students with prior baccalaureate degrees from MSSU are not eligible to apply for a BGS.

ASSOCIATE DEGREE

Associate of Science Degree

A. Residence: The last 15 semester hours must be completed in residence at Missouri Southern.

B. Credit Hours: A minimum of 64 hours must be completed.

C. Grade Point Average (GPA): The minimum cumulative and major field GPA must be 2.0.

D. Major Field: The student must meet the course requirements in the particular program of study as approved by an advisor.

E. General Education Curriculum Requirements: The degree requires completion of the general education requirement curriculum courses as well as those outlined in the student's major field of study. The general education requirement curriculum required courses are:

General Education Curriculum Requirements

A. WRITTEN COMMUNICATION — 3 HOURS

ENG 101	College Composition 1	3 Hours

B. ORAL COMMUNICATION — 3 HOURS

COMM 100	Oral Communication	3 Hours

C. MATHEMATICS — 3 HOURS

MATH 30 (or above)		3 Hours

D. LIFE AND PHYSICAL SCIENCES — 4-5 HOURS

REQUIRED: ONE OR MORE COURSES BELOW TO TOTAL 4-5 HOURS

1. LIFE SCIENCE • 4 CREDIT HOURS

BIO 101	General Biology/Lab	4 Hours
EH 101	General Biology/Lab	4 Hours
BIO 110	Principles of Biology I/Lab	4 Hours
BIO 121	Human Anatomy & Physiology I/Lab	4 Hours

2. PHYSICAL SCIENCES • 4-5 CREDIT HOURS

CHEM 120	Chem. for Allied Health Sciences	5 Hours
CHEM 151	General Chemistry I/Lab	5 Hours
GEOG 201	Physical Geography	4 Hours
GEOL 120	Introduction to Geology/Lab	4 Hours
GEOL 185	Introduction to Meteorology/Lab	4 Hours
GEOL 201	Physical Geography	4 Hours
GEOL 210	Earth & Space Science	3 Hours
GEOL 212	Earth & Space Science Lab	1 Hour
PHYS 100	Fundamentals of Physical Science	5 Hours
PHYS 150	Environmental Physics	5 Hours
PHYS 151	Elementary College Physics I/Lab	5 Hours
PHYS 125	Descriptive Astronomy	4 Hours

E. SOCIAL AND BEHAVIORAL SCIENCES — 6 HOURS

1. REQUIRED COURSES

HIST 110 or 120	U.S. History	3 Hours

Missouri Constitution Requirement* (PSC 120 meets this requirement)

E. SOCIAL AND BEHAVIORAL SCIENCES (CONTINUED) 6 HOURS

2. SELECT ONE:

ANTH 101	General Anthropology	3 Hours
ECON 101, 201 or 202	Economics	3 Hours
GEOG 101	Introduction to Geography	3 Hours
PSY 100	General Psychology	3 Hours
SOC 110	Introduction to Sociology	3 Hours

F. HUMANITIES AND FINE ARTS 3 HOURS

SELECT ONE:

ART 110	Art Appreciation	3 Hours
ENG 250	Introduction to Literature	3 Hours
ENG 261, 262	World Literature	3 Hours
ENG 271, 272	British Literature	3 Hours
ENG 281, 282	American Literature	3 Hours
ENG 305	Short Story	3 Hours
MUS 106	World Music	3 Hours
MUS 110	Music Appreciation	3 Hours
PHIL 201	Introduction to Philosophy	3 Hours
PHIL 212	Ethics	3 Hours
TH 110	Theatre Appreciation	3 Hours

G. HEALTH AND WELLNESS 2 HOURS

KINE 103	Lifetime Wellness	2 Hours

H. UNIVERSITY EXPERIENCE 3 HOURS**

UE 100	The University Experience	3 Hours

TOTAL GENERAL EDUCATION REQUIREMENTS: 27-28 HOURS

Students should select appropriate general education courses for their discipline.

*This requirement may be satisfied with credit from a Missouri public college or PSC 120 Government: U.S., State & Local or by an examination. Examination information is available from the Dean of Arts and Sciences.

**The University Experience course is required for all degree seeking students who enter MSSU with less than 30 credit hours (excluding dual credit and credit in escrow) and transfer students who have not completed an orientation course.

General education curriculum courses required for the Associate of Science degree typically do not completely fulfill the general education curriculum requirements for the Baccalaureate Degree.

GRADUATION

A. Graduation Requirements: The responsibility for satisfying all requirements for a degree rests with the student. Advisors, faculty members and administrators offer help to the student in meeting this responsibility.

B. Time of Graduation: A student may complete graduation requirements at the close of any semester. Formal commencement exercises are held and degrees are conferred at the close of the fall and spring semesters. Students who will complete graduation requirements at the close of summer semester may participate in spring commencement exercises.

C. Degree Candidacy Application: Generally students should apply for graduation at least one semester prior to the semester in which graduation is anticipated. The application process is initiated at the Office of the Registrar. Graduation application deadlines are published each year by the Office of Academic Affairs and failure to meet these deadlines may result in delayed graduation.

D. Senior Assessment: Graduating seniors may be required to complete a general education curriculum and a departmental exit assessment before the baccalaureate degree is awarded.

State Legislation Requirements

Section 170.011.1 of the Revised Statutes of Missouri, 2015, prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have "successfully passed an examination of the United States Constitution and in American history and American institutions required hereby as a condition precedent to his graduation from the college or university.

All students who have completed the general education curriculum requirements with courses taken at Missouri Southern meet the requirements of Missouri law.

Out-of-state transfer and post-graduate students who do not complete their general education curriculum with courses taken at Missouri Southern may comply with the law by:

(1) Completing courses at MSSU embracing the subject matter specified by the law and receiving credit therein, preferably before admission to senior college work; or
(2) Fulfilling the requirements through the state's 42 general education agreement per transfer transcript.
(3) Fulfilling the requirements through a baccalaureate degree earned from an accredited Missouri public college or university.
(4) Fulfilling the requirements through a degree earned from an accredited college or university, either outside the state of Missouri, at a Missouri private college or from a foreign institution considered equivalent to a U.S. baccalaureate degree. If the student has not taken a U.S. history (equivalent to 110 or 120) and political science (equivalent to 120) during their first degree, they must take these courses at MSSU in order to satisfy degree requirements through MSSU.
(5) Associate of Science degree transfer students may complete the requirement by completing a U.S. history (equivalent to 110 or 120) and political science (equivalent to 120) or passing the Missouri Constitution exam atMSSU or the college level.
(6) Transfer students who complete the equivalent of MSSU's HIST 110 or HIST 120 and PSC 120.

School Laws of Missouri, 1974, require that persons cannot be granted a certificate or license to teach in the public schools of Missouri unless they have satisfactorily completed a course of two or more semester hours in the psychology or education of the exceptional child. This requirement can be met by taking EDUC 302 or 304.

GENERAL REGULATIONS

Classification of Students

A. By Class:

Freshman:	0-29 Hours
Sophomore:	30-59 Hours
Junior:	60-89 Hours
Senior:	90 and above
Special Admission:	See page 24.

B. Postgraduate:
Persons having completed a Baccalaureate Degree but taking courses for the purpose of teacher certification, job preparation and additional degree or personal profit.

C. Full-time:
A student enrolled for 12 or more semester hours.

D. Half-time:
A student enrolled in 6-11 semester hours.

E. Less Than Half-time:
A student enrolled in fewer than 6 semester hours.

Concurrent Enrollment
A student who is enrolled in residence at Missouri Southern and who desires to earn credit concurrently at another institution or through correspondence, extension or advanced standing examination must secure advanced approval from a school dean. Financial aid recipients should contact the Financial Aid Office.

Combined Degree Programs
Missouri Southern State University has established a combined degree program for Medical Laboratory Science. Specific requirements for this program are included in the program descriptions. Combined degree programs operate under the following regulations:

1. Complete 94 hours at Missouri Southern State University. Transfer credit will be considered, but the last 30 of the 94 hours must be earned at MSSU.
2. The 94 hours must include the completion of the General Education Requirement Curriculum requirement.
3. Sixteen out of the last 94 hours must be upper division (300 and 400 level courses).
4. All applicable "Requirements for Graduation" as stated in the Missouri Southern State University catalog must be met including the application for degree candidacy and the filing of credentials with the Career Services Office.
5. A transcript from the institution with which a combined degree agreement is arranged must be provided in order to complete the requirements for a degree.

Second Baccalaureate Degree
A student may receive a second Baccalaureate Degree after completing the first degree and all the requirements of the second degree. A student may not earn the same degree more than once, even though the majors differ. The residency rules apply. See item A-I under Baccalaureate Degree requirements, page 45.

Transcript Below "C" Average
Students who are accepted with a below 'C' transcript and who are below the minimum standards for progress will be placed on Academic Probation. Missouri Southern transfers all grades from any equally accredited institution including both "D's" and "F's".

Maximum Credit Hour Load
To enroll in more than 18 semester hours during a semester or in more than nine hours during a summer session, a student, with the exception of music majors, must obtain prior written permission from the school dean. Music majors may carry as many as 20 semester hours without permission from their dean. Honors Program students may carry as many credits as approved by the Honors Program Director.

Reinstatement Policy
Following the deadline for tuition and fee payment, the Bursar's Office will drop students for non-payment. Students must apply to seek re-enrollment to their current class schedule. Students with documented extenuating circumstances, who miss the deadline may file an appeal through the Office of the Provost and Vice President for Academic Affairs.

Students seeking reinstatement must prepay at the Bursar's Office the estimated full amount of tuition, fees and books. The receipt for payment must be presented in the Office of the Registrar in order to receive a reinstatement application. Students must obtain instructor approval for each class before the application can be processed. Reinstatement forms are due to the Office of the Registrar no later than the third Friday of the fall/spring term.

Late Enrollment
Enrollment in a regular semester after the first week of classes or after the third day of classes in the summer session is not advisable and is permitted only with special permission from the appropriate department chair and instructor (for each class). Students must pre-pay for these classes prior to enrollment. Any student enrolling after classes begin will pay a late enrollment fee.

Adding Courses - Special Registration
A student may add a course in the appropriate department office, but only upon the approval of an advisor. A fee will be charged each time a student changes the program not at the request of the University. No course may be added after the first week of classes in a regular semester or after the third day of classes in the summer session without special permission. No courses shall be added after the conclusion of special registration.

NON-ATTENDANCE DOES NOT CONSTITUTE A WITHDRAWAL.

Instructor Drop for Non-attendance
Instructors are required to request the drop for non-attendance, by the Registrar, of a student who has not attended their class during the first two weeks of the full term; no later than the second Thursday of the fall/spring term and the first Thursday of the summer term. Regardless, it is ultimately the students' responsibility to properly withdraw from classes.

Withdrawal from a Single Class With a Grade of 'W'
A student may initiate the withdrawal from a course in the Office of the Registrar. Deadlines cited in the Schedule of Classes apply. Withdrawn students are no longer permitted to attend the class.

Withdrawal from All Classes
A student who wishes to completely withdraw will initiate withdrawal in the Financial Aid Office (Hearnes Hall). A student who completely withdraws from the University prior to the last week of classes in a regular or summer semester will receive a grade of "W" in all courses in which the student is enrolled. Withdrawn students are no longer permitted to attend classes. If the last date of attendance preceeds the official withdrawal date, the earliest date will be used as the separation date. A student who leaves school without officially withdrawing will receive grades of 'F' in all courses.

Military Withdrawal Policy
Persons involuntarily called to active duty in any branch of the military services of the United States while enrolled as students at Missouri Southern State University will be released from their academic responsibilities without penalty. The following options are available:

1. Complete Withdrawal*
A student called to active duty may request to be withdrawn from all classes and receive a full refund of tuition paid for class enrollment. Students selecting this option will follow the normal process for a Complete Withdrawal from the University. A copy of their orders must be submitted along with the Total Withdrawal form to receive a refund.

2. Incomplete Grade
A student called to active duty may contact course instructors to explore the option of receiving an "IN" (incomplete) grade for the course. The normal procedures for an incomplete grade will apply. The approval of this option is left to the discretion of each individual instructor.

3. Single Course Withdrawal*
A student called to active duty may request to be withdrawn from a single course past the normal published deadlines so long as the active duty orders were not received prior to the published deadline. Students are to complete the Single Course Withdrawal form. The military orders must be submitted along with the Single Course Withdrawal form to receive a tuition refund.

4. Transfer to an On-line Course

A student called to active duty may request to be transferred to an on-line version of the same course if available and acceptable by the instructor of the on-line course. Additional on-line fees will be applicable. Students must contact the Office of the Registrar for assistance.

*Grades of "W" will have the following transcript notation: "Called to Active Duty". Room and Board: The refund of fees paid for room & board will be prorated. Students must contact Residential Life for assistance. Special Course Fees: The majority of these fees are not refundable.

The intention of the policy is to insure that based on recommendations from the U.S. Department of Education and the American Council on Education that no service member suffer a loss of funds or educational opportunity because s/he was called to serve.

Class Attendance

Faculty members are encouraged to keep records of attendance in all regularly scheduled courses at Missouri Southern. The primary objective of student and professor is the student's attainment of course goals. It is recognized that students who achieve those objectives are normally those who attend class or participate online regularly. The professor, when giving a final semester grade, bases his/her evaluation on how well the student has achieved the course goals.

For financial aid purposes, if a student misses any class for ten (10) consecutive working days or does not participate in an online class, the faculty member will submit The Last Date of Attendance form to the Office of the Registrar. Online forms are available on LioNet.

Students who miss a class do so at their own risk and must assume the responsibility for work missed because of class absences. Professors are willing to assist students whose absences are caused by valid illnesses, University approved activities and extenuating circumstances. The professor may require whatever evidence is needed to support the reason for absence.

The attendance record is significant to the total record and is useful in guidance and counseling. When absences are excessive, the professor will report the fact to Student Affairs and they will in turn counsel with the student. Any student earning a grade of "F" must have the last date of attendance recorded on the Grade Roster. All students who stop attending class or participating in an online class should also have the last date of attendance recorded on the Grade Roster.

Students should be aware that absence from class invariably has a built-in penalty of lower academic achievement. Excessive absences usually result in failure to achieve the course goals.

Transcript Dispute Policy

Students with a dispute on their academic transcript shall be granted one year from the end of the term in which the notation appears, to submit a written appeal regarding the notation in question. Appeals may be submitted to the Office of the Registrar.

GRADES AND GRADING POLICIES

Grading System

A student's grade is officially recorded by letter. At Missouri Southern, the following grades and their numerical equivalents are used:

Grade		Grade Points
A	Outstanding	4
B	Above Average	3
C	Average	2
D	Minimum Passing	1
F	Failing	0
W	Withdrawal	

The current policy for the 'W' grade is as follows:

(a) Course withdrawals will be permitted through the second week for full-term courses and the first two days for part-of-term courses of the semester without any grade recorded.
(b) Course withdrawal during the third through the eleventh week of the semester will be indicated by a 'W' posted to the record for full-term courses. Students have the first two days of the course for part-of-term courses.
(c) Course withdrawals are not permitted after the eleventh week of the regular semester (or its equivalent). A student who stops attending class without officially withdrawing is in jeopardy of receiving an 'F' in the course.
(d) A student who completely withdraws from the University prior to the last week of classes in a semester may receive a grade of 'W' in all courses in which the student is enrolled.

Credit/No-Credit System of Grading

Students in some programs may register to take certain courses on a credit/no-credit basis. In such cases, "Credit" or "No-Credit" will be recorded rather than a letter grade and these courses will not be counted in GPAs. This program will permit a student to explore course work outside of the major without jeopardizing the GPA. The minimum performance level required to receive credit in a credit/no-credit course is a grade of 'D.' Students may be eligible to enroll for certain courses on a credit/no-credit basis under the following conditions:

1. That such registration be approved by the advisor and the chair of the department through which the course is offered.
2. That the student has attained sophomore rank or higher (30 or more hours).
3. That the student has achieved a cumulative GPA of at least 2.0.
4. That such enrollment be limited to one course per semester.
5. That the total enrollment on a credit/no-credit basis be limited to no more than three courses or 10 credit hours in any student's degree program.
6. That the courses involved are not part of the student's major or minor and are not specifically required as part of the student's degree program. (Hours beyond the minimum required for the major or minor may be taken on a credit/no-credit basis.)
7. That the courses involved are not part of the General Education Requirement Curriculum requirement.
8. Registration for credit/no-credit courses will be completed prior to the final date for changing registration by adding a course.
9. After a student has enrolled in a course under the credit/no-credit option, that individual may not subsequently change to a graded basis in that course.

This policy does not apply to those courses regularly designated as credit/no-credit courses such as Recital Attendance, Student Teaching and ISEP, Bilateral Exchange and the Missouri London/Greece programs and Life/Work experience.

Incomplete (IN): A grade of 'IN' may be reported if a student is unable to complete the work of the course within the semester for a valid reason such as illness, death in the family, an emergency, etc. It is not intended as a substitute for an 'F' and does not entitle a student to attend the class during a subsequent semester. Incomplete grades are approved at the sole discretion of the instructor. Students must make arrangements prior to the end of the course to receive an IN grade. An incomplete must be made up by the end of the next semester (excluding summers) or it will be converted to an 'F' automatically. Both credit and grade points for that course are suspended until the incomplete is converted to either a passing grade or an 'F'. A student may not graduate with an incomplete grade.

In Progress (IP): A grade of 'IP' will be given in a situation in which a student is unable to complete the work of the course within the semester for a valid

non-emergency reason, such as a research project or internship that overlaps two semesters. It is not intended as a substitute for an 'F' and does not entitle a student to attend the class during a subsequent semester. In Progress grades are approved at the sole discretion of the instructor. Students must make arrangements prior to the end of the course to receive an IP grade. An 'IP' must be made up by the end of the next semester (excluding summers) or it will be converted to an 'F' automatically. Both credit and grade points for that course are suspended until the 'IP' is converted to either a passing grade or an 'F'. BSE majors will not be able to begin student teaching if an 'IP' grade is in force. A student may not graduate with an 'IP' grade.

Audit (AU): A student may audit a class for no grade and no credit. A Request to Audit must be filed in the Office of the Registrar by the end of the second week of class. Acceptable performance, attitude and attendance as determined by the professor are expected. Regular fees and enrollment procedures are required. A student may not change enrollment from audit to credit nor from credit to audit. An audit means only that a student registered for the course. It does not imply any level of proficiency or knowledge.

Change of Grade: A change is initiated by the faculty member by filing a Change of Grade form, approved by their dean, with the Registrar. No change of grade is to be made without good cause. Exceptional cases will be reviewed by the school dean and Vice President for Academic Affairs. Change forms must be submitted within one year.

Independent Study: Independent study courses are special courses which may be taken by students at the discretion of the faculty advisor and the appropriate college officials. These courses are designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Students may enroll in independent study courses for a total of three hours for the associate degree and a total of six hours for the baccalaureate degree providing they:

1. have completed:
   30 hours toward the Associate Degree
   90 hours toward the Baccalaureate Degree
2. have a minimum cumulative 3.00 GPA;
3. have permission of the advisor, department chair and the school dean in the area of independent study.

Midterm Grades: Missouri Southern will post midterm grades during the eighth week of the term for full-term classes. These grades are viewable through LioNet and are informational only. Midterm grades do not appear on the academic transcript.

Posting of Grades: Public posting of a student's name and grade or student number and grade, without the student's approval, is a violation of the Buckley Amendment (Family Education Rights and Privacy Act of 1974, FERPA) which does not allow disclosure of recorded data or information without the individual's written consent.

Official Transcript: An official transcript of the student's academic record bears the Registrar's signature and the University seal. Missouri Southern assumes no responsibility for the accuracy of a transcript after it leaves the Office of the Registrar.

Up to two weeks must be allowed after the close of a semester for the issuance of an up-to-date transcript reflecting the most recent semester. Four to six weeks is necessary for the posting of recently awarded degrees. The transcript request must be submitted at http://www.mssu.edu/student-affairs/registrar/transcripts.php. No transcript will be issued unless all bills at Missouri Southern are paid or are current according to agreement with the Bursar's Office.

ACADEMIC OUTREACH

Julie Wengert
DIRECTOR
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mssu.edu/academics/dual-credit

Mission

The mission of the MSSU Dual Credit/Dual Enrollment Program, in collaboration with area high schools, is to provide geographically feasible and affordable access to quality university-level undergraduate education to high-performing high school students in order to enrich the high school educational experience as well as foster a smooth transition from high school to a four-year university.

Student Eligibility

Student eligibility information is available through the Missouri Department of Higher Education website. Please visit http://dhe.mo.gov/cota/dualcredit.php for the most up-to-date student eligibility information.

Dual Credit

Dual credit enables qualified high school students to take University-level courses taught by qualified high school instructors. Students simultaneously receive academic credit for the course from both the high school and MSSU.

Dual Enrollment

Dual enrollment enables qualified high school students to take University-level courses taught by an MSSU faculty member while simultaneously enrolled in the high school and MSSU. Credit is typically only awarded at the university level; however, students may be eligible to earn high school credit for such courses with approval from the high school district.

Continuing Education

The MSSU Continuing Education program provides students with both personal and professional enrichment opportunities. The Community Education Program allows students to experience the joys of discovery and intellectual achievement that make MSSU an exceptional place to learn and grow. The Professional Education Program allow students to enhance their professional skills through workshops, seminars, short courses, conferences and programs.

DISTANCE LEARNING

Scott Snell
DIRECTOR
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mssu.edu/academics/distance-learning

Mission

The Department of Distance Learning, in coordination and cooperation with University administration, department chairs, and faculty, helps provide consistent, engaging and quality learning experiences for Missouri Southern students seeking flexible access to higher education through online courses. Distance Learning staff facilitates orientation for new online students and provides professional and knowledgeable instructional design expertise, media production services and educational technology training for faculty.

Quality Assurance

The Department of Distance Learning and online faculty at Missouri Southern take great pride in the quality of our online offerings. Each online course is reviewed annually, helping to ensure a rewarding and worthwhile learning experience for our online students. Look for Distance Learning's Certified Quality badge in your online course! This badge guarantees your online class has met MSSU quality standards and best practices.

Faculty Dedication

Online faculty at Missouri Southern are dedicated to the success of our online learners. It is the goal of all faculty teaching online at Missouri Southern to provide online students with learning experiences equivalent to those of the campus classroom. To that end, faculty are committed to providing their online students regular and substantive interaction. Online students at Missouri Southern can expect rigorous academic activities, regular communications, timely inquiry responses and grades, and substantive feedback from their instructors.

Online Learning with Blackboard

Students taking online classes at Missouri Southern will enjoy challenging and engaging learning experiences within Blackboard Learn™, our online learning management system (LMS). With an Internet connection and browser, students can read announcements, watch and listen to audio/video presentations, retrieve course documents and handouts, participate in discussions, take exams and quizzes, turn in assignments, and receive feedback from their instructors. Blackboard Learn™ is an industry leader in online learning technologies, providing instructors and students the absolute latest in teaching and learning technologies.

Online Tutoring

Online students at Missouri Southern have access to online tutoring 24/7 with Smarthinking™. With online academic tutoring services from Smarthinking™, students get on-demand, individual instruction and support from expert tutors across a wide variety of subjects. Students connect to live educators from any computer that has Internet access, no special software installation or equipment is required.

A Smarthinking™ account is automatically created for every online student at Missouri Southern. Students can access their personal tutoring account by clicking the "Smarthinking Online Tutoring" link in any online course.

Online Testing

Assessments in online classes at Missouri Southern can be completed online. Students taking online classes requiring proctored tests, which are tests that must be taken in the physical presence of a testing monitor, will be provided the option of completing such exams online. To take advantage of this option, students will need a reliable internet connection and computer with audio/video capabilities. Students also have the option of completing proctored exams at physical testing locations.

HONORS PROGRAM

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mssu.edu/academics/honors

Mission

The Honors Program serves Missouri Southern State University by recruiting academically talented, motivated students and engaging them in enhanced education opportunities and challenges designed to promote their continual development as scholars and citizens.

Vision

The Honors Program will be recognized as a leader in academic excellence by both the University and the community and will serve as a model by which students are enabled to exemplify the fulfillment of the University's mission and values.

Values

Intellectual Curiosity: The Honors Program promotes interest leading to inquiry, the pursuit of diverse knowledge and a respect for varied ways of learning.

Community: The Honors Program fosters personal, supportive contact between and among its students and faculty while encouraging students to participate in all aspects of campus life.

Student-Centered Learning: The Honors Program provides challenging, active learning opportunities in all areas of the curriculum.

Critical Thinking: The Honors Program provides students with experience in objectively analyzing and interpreting information, opinions and beliefs.

Scholarship: The Honors Program promotes academic excellence in all areas, with an emphasis on scholarly research.

Service Learning: The Honors Program facilitates the maturation of students as citizen leaders through service to the community and individual reflection.

International Experience: The Honors Program prepares its students to be global citizens by emphasizing cross-cultural experiences.

Student Support: The Honors Program provides special support to its students to assist them in reaching their personal and professional goals.

Beginning with the first semester of their freshman year, Honors students participate in specially-designated Honors classes. Because admission is selective and competitive, these classes are smaller and often involve more active learning than regular classes, permitting Honors students greater and more intensive interaction with their instructors and other outstanding students.

Honors students also enjoy intensive guidance and personal attention from the Honors Director and from distinguished faculty in their area of study. Independent studies and the Senior Thesis project provide students and faculty with the flexibility they need to pursue scholarly interests and to design and implement innovative, creative approaches to learning.

Performance expectations are high. Honors students are held to the highest standards of academic performance, but are not in competition with one another. Instead, an atmosphere of openness, cooperation and intellectual adventure enables Honors students to inspire and challenge one another to the highest levels of achievement.

Curriculum

While students will take courses offered in Southern's regular curriculum, the following features are specifically designed for Honors students:

Honors Forum: This course provides an in-depth discussion of a specific topic, text or other matter of interest. Students engage in critical thinking as they participate in and lead classroom discussions and presentations.

Service Learning: Honors students experience firsthand the value and challenge of community service as they simultaneously participate in and analyze the culture of a local service institution.

General Education: Special sections of required courses, such as General Psychology and English composition, are designated as Honors sections. There are a number of such courses offered each semester, and Honors students select several of these, particularly during their freshman and sophomore years, to help fulfill their General Education Requirements.

Senior Honors Thesis: Honors Scholars enhance a course in their major for Honors credit during their senior year. Working under the guidance of professors in their major field, they design and carry out independent projects investigating a topic in depth and utilizing original research methods. Each student makes a presentation of his or her research to an Honors Colloquium, which is open to a campus-wide audience. Students must complete their Senior Honors Thesis to graduate with honors.

Honors Recognition

Missouri Southern is affiliated with the National Collegiate Honors Council, The Great Plains Regional Honors Council and the national honor societies Phi Eta Sigma and Alpha Chi. Most Honors students have the opportunity to participate in the activities of these organizations.

Every Honors course completed with a final grade of 'A' or 'B' is identified as an Honors course on the student's transcript. Students who maintain a cumulative GPA of at least 3.3, complete the required 27 hours of Honors courses and who continue acceptable progress in Honors will receive special recognition at commencement.

Honors and Evans Scholarships

All Honors Scholars are automatically eligible for an academic scholarship at Missouri Southern. In addition to competing for admission to the Honors Program, candidates are also competing for additional scholarships. The Honors and Walter and Fredrica Evans Scholarships will be awarded in varying amounts to the most highly qualified applicants as funds allow. The Evans Fellowship is a four-year renewable scholarship of $6,000 per academic year plus $5,600 each academic year for room and board; the Evans Scholarship is a four-year renewable scholarship of $6,000 per academic year; and the Honors Scholarship is a four-year renewable scholarship of $3,500 per academic year for in-state residents and $7,000 per year for out-of-state residents. Note: Students who live in Kansas, Oklahoma, Arkansas, and select counties in Illinois qualify for Lion Pride in-state tuition, and thus receive a four-year renewable Honors Scholarship equal to $3,500 per year. These three scholarships are Southern's most valuable institutional academic awards.

Eligibility

All students who wish to participate in the Honors Program must first be admitted to Southern. Incoming freshmen are eligible to apply if they meet one of the following requirements:

1. Earn an ACT composite score of 28 or above, or an SAT score (CR + M) of 1300 or above.
2. Rank in the top 10% of their high-school class.
3. Have a GPA of at least 3.7 (on a 4–point scale) in high-school coursework.

To complete the application process the student must submit an application form, a transcript, a written essay, and two letters of recommendation mentioning the student's strengths as a scholar. Outstanding candidates will be invited to an on-campus interview.

Students who have already completed one to four semesters of course work with a GPA of 3.5 at Southern or any other accredited college or university are also invited to apply for admission into the program, though they may not be eligible for the Honors or Evans Scholarships. Since a majority of the required 27 Honors credits must be earned in courses meeting the General Education Requirements, applicants who have previously earned more than 30 college credits will need to present a plan for completing these requirements in order to be considered for admission.

INSTITUTE OF INTERNATIONAL STUDIES

Chad Stebbins
DIRECTOR
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mssu.edu/international-studies

Mission

In July 1995, Missouri Governor Mel Carnahan signed into law House Bill No. 442, which directed that Missouri Southern "shall develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." That legislation was enacted as part of Missouri's "Blueprint for Higher Education," adopted by the Coordinating Board for Higher Education.

The faculty and administration of Missouri Southern developed over the next year the outline of a comprehensive plan of international education. Included was the establishment of the Institute of International Studies, charged with overseeing the internationalizing of the campus.

Internationalizing the Curriculum

The most distinctive aspect of Missouri Southern's effort to internationalize the curriculum, and the one with the most tangible effect throughout the campus community, has been the designation of "themed semesters." Each fall, a particular country or region of the world is selected to become the focus of intensive study. For the Fall 2016 semester, we will be highlighting Great Britain. Missouri Southern was one of 13 U.S. colleges and universities included in Internationalizing the Campus 2004: Profiles of Success at Colleges and Universities, a major report published by NAFSA: Association of International Educators, for its themed semesters. The report showcases U.S. colleges and universities that are making innovative, wide-ranging efforts to integrate global approaches to teaching into campus learning.

Study Abroad Programs

Study abroad programs also provide Missouri Southern students with additional opportunities to gain an understanding of other cultures and international issues. While many students travel with faculty on short-term programs, an increasing number are spending an entire semester abroad. Through the International Student Exchange Program (ISEP), students can pay MSSU tuition and room and board while attending any of 300 universities in 50 countries. MSSU also has a dozen partner universities around the world where students can pay MSSU tuition while renting apartments near the campuses. The Missouri London Program provides students with the opportunity to spend a semester at the University of Roehampton. We offer $1,000 study abroad grants to students going on the short-term trips and $1,250 grants for students spending a semester abroad.

INSTITUTIONAL EFFECTIVENESS

Josephine Welsh
DIRECTOR
Plaster Hall 321 • 417-625-9349
mssu.edu/center-assessment-institutional-research

Mission

The mission of the Office of Institutional Effectiveness is to collect, analyze and disseminate data and information. These efforts are carried out for the University at large, as well as academic and non-academic program development, implementation and evaluation for both internal and external customers.

Activities of the Center

Missouri Southern is committed to measuring outcomes of curricular and co-curricular programs. Both the General Education Requirements and the majors in each academic department are assessed each year. Federal, state and local reports of institutional data are prepared and archived in this Center. Analytical and descriptive reports are generated to support institution decision making and for use by many external constituents. Quantitative and qualitative data are compiled in order to help evaluate the effectiveness of academic and non-academic programs.

GEORGE A. SPIVA ***LIBRARY***

To Be Announced
LIBRARY DIRECTOR
Spiva Library 120 • 417-625-9806
mssu.edu/library

Spiva Library is the major information resource on campus, providing access to over 1 million research items in a variety of formats, including: print books and

journals; electronic books and databases; and microfilm and microfiche. Collections housed in the archives include the Congressional Papers of Gene Taylor, a former member of the United States House of Representatives; Tri-State mining maps; the papers of Dr. Arrell Gibson, a noted Western historian; and MSSU archival material.

Mission

The George A. Spiva Library provides organization of and access to information essential to Missouri Southern State University's commitment to a liberal arts education and lifelong learning, with a firm emphasis on international studies and quality classroom teaching. The library also serves as a resource for residents in the region.

Professional librarians and trained support staff expedite and enhance access to information through the sharing of expertise, participation in networks, the acquisition and maintenance of resources, creation of bibliographic tools and help guides, development of instruction programs and the availability of reference services. The curriculum and research needs of students, faculty and staff are met by providing timely access to information in the most beneficial format.

Spiva Library will maintain and enhance user-oriented services, introduces new technologies and build collections that contain diverse points of view. These initiatives will further demonstrate the central role played by the library in supporting the mission of the University and the educational needs of our constituents.

Online Catalog

SWAN (SouthWest Academic Network) is the public catalog which is available online at http://swan.searchmobius.org/. The catalog allows a search of Missouri Southern's materials and/or those held by other SWAN institutions. SWAN has grown to include: Missouri Southern State University, Baptist Bible College, Cottey College, Crowder College, Drury University, Evangel University, Missouri State University, Ozark Christian College, Ozarks Technical Community College and Southwest Baptist University.

SWAN is one of nearly 20 clusters forming MOBIUS, a consortium linking the academic libraries of Missouri. MOBIUS enables a student to borrow a book from any academic library in Missouri and expect to receive it within an average of 48 hours. The requests are delivered Monday through Friday by an independent courier. This system eliminates tedious forms and provides rapid service. The books resources available number in the tens of millions and may be borrowed by MSSU students, faculty, and staff free of charge. Five large public libraries have joined MOBIUS in resource sharing and provide additional materials for our students. Currently, over 70 libraries form MOBIUS, including academic, public and special libraries, and the Missouri State Library.

Research

Major periodical indexes in business, education, social science, history, psychology, English, biology, nursing and many other disciplines are available to MSSU students and professors on the internet, many in a full text format. Access to these resources is available through the library's web page http://www.mssu.edu/library. Students and faculty may access these resources from off-campus through the proxy server using their Missouri Southern credentials. Spiva Library also maintains print periodicals and microforms of back issues.

Interlibrary loan requests for materials that are unavailable in-house or through MOBIUS are sent and received through an international computer network of libraries called OCLC. Periodical articles are rapidly sent and received via fax and email.

Instruction

The teaching function of the library is important, as it should be in a university that prizes teaching excellence and contact with students. Every effort is made to ensure that students learn how to conduct effective research and to use information resources knowledgeably.

Librarians provide tours of the library, workshops, class lectures and individual assistance. An 'Ask Us' button is located on the right side of the library's webpage for students to live chat with library staff, view FAQs or submit a question via email. If extensive research assistance is required, please call 417.625.9342 to schedule an appointment.

Equipment

Five computer labs contain over 100 workstations for student use on every floor of the library, three with scanners, and all workstations are connected to black and white and/or color network printers. A portion of the workstations have specialty software such as AutoCAD 2012 for students in specific majors. Four additional workstations are available for quick searching. Digital and analog microform readers and printers are available for viewing and printing periodical back files. Black & white and color photocopiers are located throughout Spiva Library.

AVC, Curriculum and Government Documents

Located on the top floor of the Spiva Library is the Audio Visual Center. This area includes video and audiotape materials, compact discs, DVDs, slides, kits, and miscellaneous instructional materials. The AVC provides appropriate playback equipment for the materials. Curriculum textbooks, curriculum guides on microfiche as well as young adult and juvenile books that support the teacher education curriculum are housed in this area. Spiva Library is a selective depository for federal documents, which are located on the 4th floor. The staff provides limited production services such as laminating. There is a small inventory of videocassette and DVD players and televisions, audiocassette and recorders.

Staff & Hours

Helpful staff members are stationed throughout the library to support all materials and services. The staff is composed of degreed librarians, numerous support staff members, and student workers who serve in all areas of the library.

Hours for Fall and Spring Semesters*:

• 7:30 a.m. - 11 p.m. Monday - Thursday • 7:30 a.m. - 5 p.m. Friday
• 9 a.m. - 5 p.m. Saturday • 1 p.m. - 11 p.m. Sunday

*Library hours differ during holidays, breaks and summer session.

Accessibility

Spiva Library works closely with the campus Disability Services Coordinator to ensure that the library is accessible to patrons with disabilities. Patrons with a disability may contact any library staff member for assistance.

SHOW-ME GOLD

The Missouri Army National Guard Officer Leadership Program (SHOW-ME GOLD) will offer citizens of Missouri the opportunity for professional development to become officers in the Missouri Army National Guard. The officer training program will consist of credit-bearing classroom instruction, leadership laboratories, and physical training.

Student participants in the program must satisfy admissions standards of both Missouri Southern State University and the Missouri Army National Guard. Those who qualify for any of Southern's merit-based scholarships will be eligible to apply those benefits to books, fees, and expenses.

Students will enroll in Southern's regular academic programs, but also will take credit-bearing military science courses offered through the Missouri Army National Guard and fulfill other additional requirements.

To Learn more about the program contact: CPT CHASE PHILLIPS
Phone: 417-625-9690 • Email: phillips-chase@mssu.edu

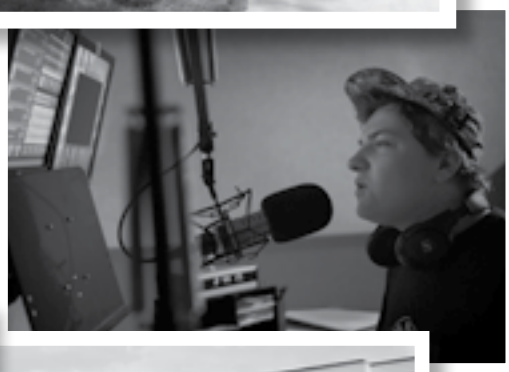
WRITING PROGRAM

Each department is responsible for ensuring that its graduating seniors have achieved a level of writing competency needed to perform effectively in their chosen careers. Students will complete the writing goals established by the faculty in their selected major. Students graduating with the Bachelor of General Studies or the Bachelor of Applied Science degree will be required to complete at least one course beyond English 101 and English 102 selected from a list of approved courses.


KUHN












MILLS H. ANDERSON
PUBLIC SAFETY CENTER







ANTHROPOLOGY
ART
BIOLOGY
CHEMISTRY
COMMUNICATION
CRIMINAL JUSTICE
•**LAW ENFORCEMENT**
ENGLISH
ENVIRONMENTAL HEALTH
GEOGRAPHY
GEOLOGY
HISTORY
INTENSIVE
ENGLISH PROGRAM
INTERNATIONAL STUDIES
MATHEMATICS
MODERN LANGUAGES
MUSIC
PARALEGAL
PHILOSOPHY
PHYSICS
POLITICAL SCIENCE
PREPROFESSIONAL
SOCIAL SCIENCE
SOCIAL WORK
SOCIOLOGY
THEATRE



School of Arts & Sciences

School Dean

Dr. Richard Miller
417-625-9385

Degrees and Majors

Bachelor of Arts
- Art
- Chemistry
- Communication
- English
- French
- Geography
- History
- International Studies
- Music
- Political Science
- Sociology
- Spanish
- Theatre

Bachelor of Fine Arts
- Art

Bachelor of Science
- Biochemistry
- Biology
- Chemistry
- Communication
- Criminal Justice
- Environmental Health
- Geography
- Mathematics
- Physics
- Political Science
- Sociology

Bachelor of Science in Education
- Art
- Biology
- **Unified Science with** Biology Endorsement
- Chemistry
- **Unified Science with** Chemistry Endorsement
- English
- French
- Mathematics
- Music
- Physics
- **Unified Science with** Physics Endorsement
- Social Studies
- Spanish
- Speech - Theatre

Bachelor of Social Work

Options and Emphases
- Art (BA) Visual Art
- Art (BFA)
  Studio Art
  Graphic Design
- Biology (BS) Biology
- Biochemistry (BS)
  Forensic Science
- Communication (BA or BS)
  Communication
  Mass Communication
  Public Relations
- Criminal Justice (BS)
  Computer Forensics
- English (BA)
  Literary Studies
  Professional/Technical Writing
- Mathematics (BS)
  Mathematics
  Computational Mathematics
- Music (BSE)
  Double Certification
  Instrumental
  Vocal
- Social Studies (BSE)
  History
  Political Science
  Sociology

Associate of Science
- Law Enforcement

Minors
- See Departments

Mission

The School of Arts and Sciences provides quality teaching and challenging academic experiences that contribute to the complete education of students in both the General Education Requirements and specific curriculums that prepare students for careers or additional education or training. Supporting this overall mission are sound pedagogy, contributions to scholarly and creative activity and service to the campus and community.

Goals

The School of Arts and Sciences consists of 13 departments representing more than 22 disciplines. Although diverse in nature and subject, the departments in the School of Arts and Sciences all contribute to the overall missions of the University and School of Arts and Sciences by working to achieve these goals:

1. Quality teaching is our primary goal and responsibility. Arts and Sciences faculty teach the majority of courses in the General Education Requirements, a diverse but integrated group of courses that form the foundation of higher education. The academic majors within the School of Arts and Sciences prepare students for a variety of careers or for graduate and professional school. Faculty focus on pedagogy and strive to create a rigorous and exciting atmosphere for learners. Departments measure achievement of this goal using a structured system of faculty and course evaluation that involves input from anonymous student questionnaires, classroom visits by the department head, reviews of grade distributions, examinations, course Web pages and other supplements.

2. The second goal of the School of Arts and Sciences is scholarly and creative activity. Scholarly research and activity advances knowledge and improves teaching by keeping faculty current in their field and creating a dynamic environment for students. Creative activity and performance improves the proficiency of faculty and enhances teaching. The result is an enriched cultural experience for students and the community. The inherent desire of many faculty to advance knowledge in their discipline is further encouraged through a reward system that includes faculty development grants and credit through the system of promotion and tenure. This goal is measured primarily by examination of faculty vitae and through intradepartmental comparisons.

3. University and community service, the third goal of the School of Arts and Sciences, provides opportunities for faculty to participate in a variety of university and community affairs. Faculty donate academic expertise and problem solving skills to the university and community. The school serves as a cultural resource by presenting films, art exhibitions, dramatic productions, musical concerts and recitals. All departments provide academic activities for students in elementary through secondary grades. This goal is evaluated by rating the success and significance of various activities.

ANTHROPOLOGY

FACULTY:

Wells-Lewis - Interim Chair, Greer
Webster Hall • 417-625-9795

Mission

Anthropology is the story of humanity, our evolution in Africa, and subsequent movements across the planet. In addition, it addresses the range of human cultural variation, and the shared social and biological universals that together unite the species as a single whole. That holistic comparative approach is the hallmark of anthropology, which compliments the sister social and behavioral sciences, as well as the arts, humanities, foreign languages, natural sciences, economics, and health sciences.

The minor in cultural anthropology provides a solid introduction to the four sub-fields of the discipline, as well as its applied dimension, which addresses issues of international concern, such as development and human rights. The electives emphasize the role of culture as relating to specific regions and institutions, such as religion and globalization. A cultural anthropology minor complements majors in sociology, psychology, history, political science, foreign languages, communication, and international studies.

The Native American Students Association (NASA) is open to all students with an interest in the culture and heritage of Native North America, and provides social, educational, and service opportunities for its members.

COURSE DESCRIPTIONS: ANTHROPOLOGY

ANTH 0101 • General Anthropology

Fall • 3 Credit Hours

This course will introduce students to the field of anthropology, including its historical origins and the four sub-fields central to the discipline today: socio-cultural, linguistic, archeological, and physical/biological branches. Applied aspects of each of the four subfields will also be addressed. An emphasis is placed on the holistic nature of the discipline. It centers on an evolutionary and comparative approach to our species.

ANTH 0155 • Physical Anthropology and Archaeology

Fall • 3 Credit Hours

An introduction to physical (biological) anthropology that emphasizes the study of *Homo sapiens* evolution and diversity, as well as archaeology which focuses upon the myriad of artifacts created by this species. Languages, cultures, social organization and human ecology are incorporated to facilitate an understanding of the people of the earth. A recognition and appreciation of the flora and fauna are basic to this course.

ANTH 0298 • Topics in Anthropology

Demand • 3 Credit Hours

Special Anthropology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the Social Science Department.

ANTH 0302 • North American Indians

Demand • 3 Credit Hours

Ethnographic survey of the indigenous tribes of North America (excluding Mexico), including earliest archeological sequences followed by a description of the culture areas and traditional lifeways encompassed therein at the time of European contact. Emphasis upon the processes of culture change and adaptation over the past two centuries. Contemporary issues such as language renewal, the Pan-Indian movement, religious freedom and tribal sovereignty are then placed within their cultural and historical contexts.

ANTH 304 • Magic, Ritual, and Religion

Fall • 3 Credit Hours

This course will examine early anthropological theories on the evolution of religion. It will also document the variety of belief systems surrounding the spiritual world in traditional and contemporary societies, including sorcery, shamanism, ancestor veneration, and transcendent experiences. Conceptions of the sacred and the significance of place make up another segment of the course, as does the role of myth in structuring human thought and societies. Religious practice in the form of ritual, prayer, and symbolism are included from the framework of cultural anthropology. Finally, it will address the effects of culture contact and diffusion of major world religions upon indigenous peoples' belief systems.

ANTH 0342 • Comparative Cultures

Spring • 3 Credit Hours

A comparative study of human society and culture, focusing on theories of culture and cultural institutions as they relate to contemporary preindustrial peoples. An ethnographic examination of representative groups is provided for purposes of cross-cultural comparison. Prerequisite: SOC 110 or ANTH 155 or consent of instructor.

ANTH 0370 • Globalization & Native People

Spring • 3 Credit Hours

Globalization and Native Peoples focuses on the increasingly interconnected nature of human cultures around our planet. In this class, students will examine the socioeconomic, cultural, and political processes that work to both advance and to harm the unique lifeways of the thousands of indigenous people living as political and ethnic minorities within different nations. The course will address the complex and often negative effects of multinational corporations seeking to exploit natural resources within the traditional lands of native peoples, as well as the local ecological and health impact of various agencies. The course will also explore the role of modern media, including the Internet's popular social network sites, in another aspect of globalization today. Finally, the opposing trends of a global monoculture vs. the active promotion or revitalization of native language, culture, beliefs, and values will be discussed. Prerequisite: ANTH 101 (or above) or INTS 201 or SOC 110 or special permission from the instructor. Cross-listed as INTS 370.

ANTH 0385 • Language & Culture

Demand • 3 Credit Hours

Exploration of the relationship between language and culture from theoretical approaches within anthropology, including the Sapir-Whorf hypothesis and the attempts to support or refute it. The expressive potentialities of diverse languages and cultures illustrate human creativity and diversity.

ANTH 0498 • Advanced Topics in Anthropology

Demand • 2 Credit Hours

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research.

ANTH 0499 • Independent Study

Demand • 2 Credit Hours

Structured by the advisor with approval of the department chair and school dean. Repeatable up to six credit hours.

Minor in Cultural Anthropology

Minor Code.....S084

Foundational Courses		9
ANTH 101	General Anthropology	
	OR	
ANTH 155	Physical Anthropology and Archaeology	3
ANTH 342	Comparative Cultures	3
ANTH 385	Language and Culture	3
Area Concentration Course (choose one)		3
ANTH 302	North American Indians	
SOC 303	The Arab World	
HIST 150	Asian Civilizations	
HIST 313	East Asian Civilizations I	
HIST 415	African-American History and Culture	
SPAN 306	Introduction to Spanish Civilization	
SPAN 307	Introduction to Latin American Civilization	
FREN 302	Contemporary French Culture and Civilization	
FREN 306	French Culture and Civilization	
Elective Topical Courses (choose two)		6
ANTH 298	Special Topics in Anthropology	
ANTH 304	Magic, Ritual and Religion	
ANTH 370/INTS 370	Globalization and Native Peoples	
ANTH 498	Special Topics in Anthropology	
ANTH 499	Independent Study	
INTS 301	World Humanities	
INTS/GEOG 302	Environment and Society	
GEOG 310	Human Geography	
SOC 498	Special Topics in Sociology (with advisor approval)	
Total		18

For additional information contact:

Dr. Jill Greer

Webster Hall 230

417-625-9795 • greer-j@mssu.edu

ART

FACULTY:

Pishkur- Chair, Bentley, Bucher, Estes, McKenzie,

Minert, Outhouse

Fine Arts Building • 417-625-9563

Mission

The Art Department complements a university liberal arts education with professional training in visual art by offering several major areas of study. These develop highly trained artists who will become designers, teachers and studio artists. The Department also includes minors for students majoring in other fields who desire to develop critical thinking and problem solving skills. Our faculty provides an integrated, relevant educational experience through quality teaching, small classes and individual attention. Additionally, the Art Department provides a component of the Humanities and Fine Arts portion of the General Education Requirement with Art Appreciation. Themed exhibitions in the campus Spiva Art Gallery, Art History courses, a permanent study collection of African artifacts and an extensive study abroad program provide training and experiences that fulfill the University's International Mission while advancing culture and creativity in this region.

Implementation

The Bachelor of Arts degree in Visual Art combines a liberal arts background with a strong foundation in studio arts and art history to prepare graduates for a wide range of creative careers. The Bachelor of Fine Arts in Studio Art is the professional course of study that prepares graduates to pursue a career as a visual artist in areas such as sculpture, painting, printmaking or ceramics while the Bachelor of Fine Arts in Graphic Design prepares students to pursue careers in advertising, print production, electronic media, web design and package design. Graduates with a Bachelor of Science in Education and a major in Art are certified through the Teacher Education program to teach K-12 in the state of Missouri.

Degree requirements in the various art programs are such that it is extremely important for students majoring in art to meet with their faculty advisors each semester. There are two major, direct assessments of candidates for art degrees: The Foundation Review (Entrance examination),Senior Exhibit (Capstone graduation portfolio review).

Students are responsible for contacting their advisor upon completion of the 18 credit hour Art Foundation Program to apply for The Foundation (Entrance Examination) Review. Passing this portfolio review is the entrance examination for application and enrollment in the Bachelor of Fine Arts Degree and until they do so, students may only be enrolled in one of the art department's other degree programs. The review also serves as an opportunity early in the art student's education for the student and the art faculty to review the academic and artistic progress that the student is making towards personal and institutional goals. For the review, students submit a representative portfolio of their creative work from the foundation courses in person to a selection of the art faculty following guidelines established in advance by the art department faculty.

Senior Exhibit is a two credit hour capstone course culminating in a formal exhibition of the student's artwork to the public in the spring semester. The final grade students receive for this experience is determined both by the student's participation in the semester long course as well as an average of the evaluations all art faculty members submit. The evaluations are based upon a ratings sheet assessing how well a candidate meets established criteria in the actual exhibition as well as a submitted exit portfolio.

ART 110, Art Appreciation, meets the General Education Requirement for non-art majors in the Humanities and Fine Arts area.

Minor in Studio Art

Minor Code.....AR80

ART 101	Two Dimensional Design	3
ART 103	Three Dimensional Design	3
ART 130	Basic Drawing	3
Three Dimensional Media (select one)		3
ART 207	Beginning Ceramics	
ART 205	Beginning Jewelry	
ART 211	Beginning Sculpture	
Two Dimensional Media (select one)		3
ART 140	Basic Digital Photography/Computer Skills	
ART 232	Beginning Painting*	
ART 212	Introduction to Printmaking	
Any Upper Division Art History class EXCEPT ART 309		3
Upper Division Studio Art Elective		3
Total Hours		**21**

*Beginning Painting requires an additional prerequisite of ART 105 Color Theory.

Bachelor of Arts ..... Major Code AR01

Visual Art

General Education Requirements (p. 39) 46-47		**40-41**
Modern Language* (Four courses in one language)		**12**
Art Requirements		**50**
ART 100	Art Theory**	3
ART 101	Two Dimensional Design	3
ART 103	Three Dimensional Design	3
ART 105	Color Theory	3
ART 130	Basic Drawing	3
ART 140	Basic Digital Photography/ Computer Skills***	3
Two-Dimensional Media (Select One)		3
ART 212	Beginning Printmaking	
ART 232	Beginning Painting	
Three-Dimensional Media (Select One)		3
ART 205	Beginning Jewelry	
ART 207	Beginning Ceramics	
ART 211	Beginning Sculpture	
ART 370	Drawing	3
ART 301	Art History: Prehistoric to Gothic	3
ART 302	Art History: Renaissance to Modern	3
ART	Art History (Upper Division 300-400 level)	3
ART 490	Senior Exhibit	2
Upper Division Art Electives (300-400 level courses)		12
Electives		7-8
Electives	(Upper Division)	14
Total Hours		**124**

*Foreign Language satisfies 3 hours of International Studies of General Education Requirement.
**Art Theory satisfies 3 hours of Humanities and Fine Arts General Education Requirement.
***Basic Digital Photo/Computer Skills satisfies departmental computer literacy requirement.

Bachelor of Fine Arts ..... Major Code AR02

Studio Art

General Education Requirements (p. 39) 46-47		**43-44**
Art Requirements		80
Required Art Foundation Courses		
ART 100	Art Theory*	3
ART 101	Two Dimensional Design	3
ART 103	Three Dimensional Design	3
ART 105	Color Theory	3
ART 130	Basic Drawing	3
ART 140	Basic Digital Photography/ Computer Skills**	3
Studio Art Requirements		
ART 205	Beginning Jewelry	3
ART 207	Beginning Ceramics	3
ART 211	Beginning Sculpture	3
ART 212	Beginning Printmaking	3
ART 232	Beginning Painting	3
ART 301	Art History: Prehistoric to Gothic	3
ART 302	Art History: Renaissance to Modern	3
ART	Art History (Upper Division)	6
ART 370	Drawing	3
ART 371	Life Drawing	3
ART 490	Senior Exhibit	2
Studio Emphasis Area		12
(4 Upper Division Courses in one Studio area of Concentration)		
Art Electives		6
Upper Division Art Electives (300-400 level)		9
Any Electives		0-1
Total Hours		**124**

* Art Theory satisfies 3 hours of Humanities and Fine Arts of General Education Requirement
**Basic Digital Photo/Computer Skills satisfies departmental computer literacy requirement.

Minor in Art History

Minor Code.....AR82

ART 301	Art History, Prehistoric Through Gothic	3
ART 302	Art History, Renaissance Through Modern	3
ART 320	Introduction to Gallery Studies	3
Select 9 hours from the following		9
ART 303	Art History, 19th Century	
ART 304	Art History, 20th Century	
ART 308	Women in Art	
ART 309	History and Theory of Graphic Design	
ART 498	Special Topics in Art	
Total Hours		**18**

Minor in Graphic Design

Minor Code.....AR81

ART 101	Two Dimensional Design	3
ART 130	Basic Drawing	3
ART 140	Basic Digital Photography/ Computer Skills	3
ART 215	Illustrator/InDesign	3
ART 216	Photoshop/Web Design	3
ART 240	Typography and Lettering	3
ART 309	History and Theory of Graphic Design	3
ART 325	Graphic Design I	3
Total Hours		**24**

For additional information contact:

Frank Pishkur, Department Chair • Fine Arts Building

417-625-9735 • pishkur-f@mssu.edu

Bachelor of Science in Education ..... **Major Code** ES08

Art Major, Grades K-12 Certification

General Education Requirements (p. 39) 46-47		**40-41**
Art Requirements		**54**
ART 100	Art Theory*	3
ART 101	Two Dimensional Design	3
ART 103	Three Dimensional Design	3
ART 105	Color Theory	3
ART 130	Basic Drawing	3
ART 140	Basic Digital Photography/ Computer Skills**	3
ART 200	Arts & Crafts	3
ART 207	Beginning Ceramics	3
ART 211	Beginning Sculpture	3
ART 212	Introduction to Printmaking	3
ART 232	Beginning Painting	3
ART 380	K-8 Methods	2
ART 381	9-16 Methods	2
Drawing Emphasis (Select One)		3
ART 370	Drawing	
ART 371	Life Drawing	
ART	Art History	9
ART 490	Senior Exhibit	2
ART Elective		3
Education Certificate Requirements*** (p. 177)		41
Total Hours		**135-136**

*Art Theory satisfies 3 hours of Humanities and Fine Arts of General Education Requirements
**Basic Digital Photo/Computer Skills satisfies departmental computer literacy requirement.
***EDUC 280 satisfy certification requirements and 3 hours of International Studies General Education Requirements.

Bachelor of Fine Arts ..... **Major Code** AR03

Graphic Design

General Education Requirements (p. 39) 46-47		**43-44**
Art Requirements		80
Required Art Foundation Courses		
ART 100	Art Theory*	3
ART 101	Two Dimensional Design	3
ART 103	Three Dimensional Design	3
ART 105	Color Theory	3
ART 130	Basic Drawing	3
ART 140	Basic Digital Photography/ Computer Skills**	3
Graphic Design Requirements		
ART 215	Illustrator/Indesign	3
ART 216	Photoshop/Web Design	3
ART 240	Typography and Lettering	3
ART 212	Introduction to Printmaking	3
ART 309	History/Theory of Graphic Design	3
ART 325	Graphic Design I	3
ART 350	Graphic Design II	3
ART 351	Graphic Design III	3
ART 360	Publication Design/Layout	3
ART 450	Graphic Design IV	3
Supporting Studio Art Requirements		
ART 370	Drawing	3
ART 301	Art History: Prehistoric to Gothic	3
ART 302	Art History: Renaissance to Modern	3
ART	Art History (Upper Division)	3
ART 490	Senior Exhibit	2
Two Dimensional Media – (Select One)		3
ART 371	Life Drawing	
ART 232	Beginning Painting	
Three Dimensional Media – (Select One)		3
ART 205	Beginning Jewelry	
ART 207	Beginning Ceramics	
ART 211	Beginning Sculpture	
Upper Division Art Electives (300-400 level)		12
Any Electives		0-1
Total Hours		**124**

* Art Theory satisfies 3 hours of Humanities and Fine Arts of General Education Requirement
**Basic Digital Photo/Computer Skills satisfies departmental computer literacy requirement.

COURSE DESCRIPTIONS: *ART*

ART 0100 • Art Theory

Fall & Spring • 3 Credit Hours

A survey course that provided an introduction to the theoretical and philosophical underpinnings of art through the exploration of art history, aesthetics, criticism, studio and cultural influences. The objective is to provide a foundation of understanding for the beginning art student through reading, discussions and investigations of the ideas and condition that influence the inception and development of works of art. The course will consist of lecture, research, verbal and written critiques and discussions.

ART 0101 • Two Dimensional Design

Fall & Spring • 3 Credit Hours

Foundation studio course that incorporates principles and elements of design in solving studio problems. Six studio hours per week. Lab fee required.

ART 0103 • Three Dimensional Design

Fall & Spring • 3 Credit Hours

Foundation studio course introducing the use of the Elements of Design and Principles of Composition to design and create three-dimensional objects and spaces. A variety of basic materials, tools, skills and techniques are covered. The course consists of lecture, research, studio projects, verbal and written critiques and/or discussions. There may be additional costs in addition to course fees. Six studio hours per week. Lab fee required.

ART 0105 • Color Theory

Fall & Spring • 3 Credit Hours

Foundation studio course dealing with the theories, problems and applications of color. Six studio hours per week. Lab fee required.

ART 0110 • Art Appreciation

Fall & Spring • 3 Credit Hours

A survey designed to increase appreciation of the visual arts through readings, slide lectures, library research and visits to the George A. Spiva Center for the Arts. Development of the cognitive and critical processes as they relate to the visual arts are emphasized.

ART 0130 • Basic Drawing

Fall & Spring • 3 Credit Hours

Development of perceptual and structural drawing skills through the study of line, value, perspective and composition using various media. Six studio hours per week. Lab fee required.

ART 0140 • Basic Digital Photography/ Computer Skills

Fall & Spring • 3 Credit Hours

Introduction to digital photography and image editing emphasizing the technical and aesthetic issues and how these qualities inform image content. Control of camera settings, natural and studio lighting and basic Photoshop editing is explored as well as career options in digital photography. A final printed and digital portfolio will be prepared. Students enrolled in the course must own a digital camera. Professional cameras, computers, software, lighting equipment and a studio will be provided for assignments. Six studio hours per week. Lab fee required. There may be additional supply costs in addition to course fees. Satisfies departmental requirement for a computer application course.

ART 0200 • Arts & Crafts

Demand • 3 Credit Hours

Basic crafts survey exploring materials and processes of traditional and contemporary handicrafts. Investigates historical and contemporary uses of the five core Fine Craft media: Clay, Wood, Fiber, Precious Metals and Glass. Also the importance of the roles of functionality and craftsmanship. The course consists of lecture, research, hands-on studio projects, verbal and written critiques and discussions. Lab fee required.

ART 0205 • Begin Jewelry Design/Metalsmithing

Fall & Spring • 3 Credit Hours

Creative exploration of design fabrications, casting and forging processes. Six studio hours per week. Lab fee required. Prerequisite: ART 103 or approval of instructor.

ART 0207 • Beginning Ceramics

Fall & Spring • 3 Credit Hours

An introduction to and the development of needed skills to use the potter's wheel to create basic pottery forms. Fundamentals of the entire ceramic process are introduced, including clay preparation, application of glazes, firing and methods and techniques of hand building with clay. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required.

ART 0211 • Beginning Sculpture

Fall & Spring • 3 Credit Hours

An introductory exploration of formal and conceptual issues found in creating sculpture. This exploration includes using additive, subtractive and construction techniques using, but not limited to, traditional sculpture materials, equipment and techniques. This course consists of lecture, research, studio projects, verbal and written critiques and/or discussions. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 103.

ART 0212 • Introduction to Printmaking

Fall & Spring • 3 Credit Hours

Introduction to the printmaking tools, materials, techniques and process of the (1) Intaglio: etching, drypoint, aquatint and softground (2) Lithography (3) Monotype and monoprint (4) Relief: woodcut, linocut. Emphasis on drawing and design. Six studio hours per week. Lab fee required. Prerequisite: ART 130.

ART 0215 • Illustrator/InDesign

Fall • 3 Credit Hours

Studio course introduction of computer graphics/publishing using Illustrator and InDesign on the Macintosh computer. Students will study computer vector illustration, desktop publishing and page layout, using type and images. File and disc management, storage and scanning included. Six studio hours per week. Lab fee required. Prerequisites: ART 101, ART 105, ART 130 and ART 140.

ART 0216 • Photoshop & Web Design

Spring • 3 Credit Hours

Studio course introduction of imaging and web design using Adobe Photoshop and Dreamweaver on the Macintosh computer. Students will study photo editing, creative illustration and web design. File and disc management, storage and scanning included. Six studio hours per week. Lab fee required. Prerequisites: ART 101, ART 105 and ART 140.

ART 0220 • Art for the Elementary School Teacher

Fall & Spring • 2 Credit Hours

Art theory and experiences, curriculum theory and appropriate materials, objectives, methods, activities and resources preparatory to instruction of elementary school students. Lecture, discussion and studio. Required for both elementary education majors and secondary art education majors. Lab fee required.

ART 0232 • Beginning Painting

Fall & Spring • 3 Credit Hours

Procedures, techniques, historical processes and basic fundamentals of painting with acrylic. Six studio hours per week. Lab fee required. Prerequisite: ART 101, ART 105 and ART 130.

ART 0240 • Typography and Lettering

Fall • 3 Credit Hours

A studio course introducing the art of typography. Designed to develop the skills needed to competently use the tools, materials and methods employed by professionals for layouts, typesetting and composition. All assignments use lettering or typography as the primary design element. Prerequisite: ART 101 and ART 130. Six studio hours per week. Lab fee required

ART 301 • Art History, Prehistoric Through Gothic

Fall • 3 Credit Hours

Historic survey of the visual arts from prehistoric through the Middle Ages. Primarily in the Near East, North Africa and Europe.

ART 0302 • Art History, Renaissance through Modern

Spring • 3 Credit Hours

Historical survey of the visual arts of Europe from the Early Renaissance through the Modern period. Comparative study of other cultures included.

ART 0303 • Art History, 19th Century

Fall (Odd) • 3 Credit Hours

Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism and Post-Impressionism.

ART 0304 • Art History, 20th Century

Fall (Even) • 3 Credit Hours

Study of the mainstreams of Western Art in Europe and the United States, including its sources and influences. Emphasis placed on the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from1945 to present.

ART 0306 • Art History, African Art

Spring (Odd) • 3 Credit Hours

Historical survey of African art covering different groups of people, different periods, geographic areas and mediums. Requirements: research paper oral presentations, periodic tests.

COURSE DESCRIPTIONS: ART (CONTINUED)

ART 0308 • Women in Art

Summer or Spring (Even) • 3 Credit Hours

A survey of the role of women as artists and subject in the visual arts from prehistory to the present. Prerequisites: Art Major or Art History Minor, or permission from instructor, 30 hours earned total.

ART 0309 • History and Theory of Graphic Design

Spring (Even) • 3 Credit Hours

A course structured to give the graphic design student a survey of the complex history of this field. The class will cover the topics in graphic design from prehistoric times through the present. Involved will be the invention of alphabet, printing, moveable type, manuscript, type design and most forms of printing. In addition they will cover the major periods in advertising history and understand the important visual forms that expanded this profession. Students will observe, analyze and critique artwork attributed to major design innovators from various periods in history. Course will consist of research, verbal and written critiques and discussions.

ART 0310 • Water Media

Demand • 3 Credit Hours

Mixed media painting class that may include techniques and aesthetic processes of watercolor painting. Six studio hrs. per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 232 or permission of instructor.

ART 0313 • Intaglio/Relief

Fall • 3 Credit Hours

A continuation of Beginning Printmaking (ART 212). Emphasis on the techniques involved in the Intaglio and Relief Printing processes. Students will complete four major projects for each of the printing processes resulting in a total of eight finished works. May be repeated for a total of six credit hours. Prerequisite ART 212.

ART 0314 • Silkscreen/Lithography

Spring • 3 Credit Hours

A continuation of Beginning Printmaking (ART 212). Emphasis on the techniques involved in the Serigraphy (silkscreen) and lithographic printing processes. Students will complete eight finished works relevant to the silkscreen and lithographic printing process. May be repeated for a total of six credit hours. Prerequisite ART 212.

ART 0320 • Introduction to Gallery Studies

Fall and/or Spring • 3 Credit Hours

Introduction to gallery functions through observation and participation. Experience will include lecture, installation, exhibition design, curatorial and gallery processes, marketing, and communication with artists. Prerequisites: Sophomore or higher, Art major or Art History minor, or permission from instructor.

ART 0325 • Graphic Design I

Fall • 3 Credit Hours

Introduction to graphic design with an emphasis on the recognition, function and aesthetic use of typography/pictorial images as a visual language for a variety of projects. Includes layout and type/image relationships. Six studio hours per week. Lab fee required. Prerequisite: ART 215, ART 216 and ART 240.

ART 0330 • Jewelry Design/Metalsmithing

Fall & Spring • 3 Credit Hours

Exploration of advanced methods and techniques of complex forms for jewelry and metalsmithing design. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 205.

ART 0332 • Painting

Spring • 3 Credit Hours

Students select two proposed individual content problems for self-development using a variety of media. The results will be two series of paintings on stretched canvas that provide unique solutions. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 232.

ART 0337 • Wheel Throwing

Fall • 3 Credit Hours

An intermediate level ceramics studio class with a focus on developing and expanding the skills and techniques used with the potter's wheel. Designed to improve knowledge and skills with using ceramic materials and techniques, especially in regards to creating functional pottery forms. This course consists of lecture, research, studio projects, verbal and written critiques and/or discussions. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 207.

ART 0338 • Hand Building with Clay

Spring • 3 Credit Hours

An intermediate-level ceramics studio class focusing on developing and expanding the skills and techniques of hand building objects with clay. Designed to improve knowledge and skills with ceramic materials and technique, especially in regards to creating sculpture ceramic forms. This course consists of lecture, research, studio projects, verbal and written critiques and/or discussions. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 207.

ART 0341 • Sculpture Foundry

Fall • 3 Credit Hours

An intermediate sculpture course focusing on plaster mold making and introducing the materials and techniques used in traditional (lost wax) as well as contemporary sculptural casting processes. Model making, investment, casting, chasing and mounting of aluminum and/or bronze sculptures are covered. The course consists of lecture, research, studio projects, verbal and written critiques and/or discussions. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 211 or approval of instructor.

ART 0342 • Sculpture

Spring • 3 Credit Hours

An intermediate study of creating sculptural forms, focusing on improving knowledge and skills with materials and techniques, conceptual thinking and visual communication. The course will consist of lecture, research, presentations, studio projects, verbal and written critiques and/or discussions. There will be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 211.

ART 0350 • Graphic Design II

Spring • 3 Credit Hours

Continued study of Graphic Communications I with an emphasis on the design and preparation of two and three-dimensional projects for printing and web. Includes an introduction to digital studio photography and introduction to the development of an individual portfolio. Six studio hours per week. Lab fee required. Prerequisite: ART 325.

ART 0351 • Graphic Design III

Fall • 3 Credit Hours

Continued study of Graphic Design with an emphasis on the design and preparation of two and three-dimensional projects. Includes use of digital studio photography and development of an individual portfolio. Six studio hours per week. Lab fee required. There may be additional supply costs in addition to course fees. Prerequisite: ART 350.

ART 0360 • Publications Design and Layout

Spring • 3 Credit Hours

A course in the basic technical preparation of artwork prior to publication. Computer production techniques are taught in the context of simulated professional job processes. This course will cover specific computer and printing processes such as halftones and screens, one color, duotones and overlay techniques, two color, photo sizing, four color process printing and color separations. Additionally, basic layout, imposition and bindery, studio business practices such as pricing, estimating, time tracking, budgets, client contact and presentation will be covered. Six studio hours per week. Lab fee required. There may be additional supply costs in addition to course fees. Prerequisite: ART 325.

ART 0365 • Swedish Photography Seminar

Summer • 3 Credit Hours

Swedish Photography Seminar enrollment is limited to those individuals participating in the Summer in Sweden travel and study program. Course consists of lecture, on-site photography, critiques and photo lab work in traditional silver black and white photography. Meeting days and times will coordinate with required travel dates. Enrollment by permission of the Summer in Sweden Director or Art Department Head. Lab fee required.

ART 0366 • The Art of Scandinavia

Summer • 3 Credit Hours

Art Historical survey of Scandinavian Art with enrollment limited to those individuals participating in the Summer in Sweden travel and study program. Art Students visit museums in Stockholm, Oslo and Copenhagen to study a wide variety of Scandinavian art from many different periods. They observe, analyze, and critique selected works and architecture from a wide variety of periods to compare and contrast with contemporary works. Course consists of travel, research, verbal and written critiques and discussions. Enrollment by permission of the Summer in Sweden Director or Art Department Head.

ART 0370 • Drawing

Fall & Spring • 3 Credit Hours

Continuation of Basic Drawing (ART 130) with emphasis on perceptual drawing techniques, composition and drawing media. Prerequisites ART 101 and ART 130. Six studio hours per week.

ART 0371 • Life Drawing

Spring • 3 Credit Hours

Drawing the human figure with emphasis on anatomy, structure and form using a variety of media. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisites: ART 101 and ART 130.

ART 0380 • K-8 Methods

Fall • 2 Credit Hours

Exploration of Art Education theory, curriculum, materials, objectives, methods, activities, service learning, and resources preparatory to instruction of elementary school students. Lecture, discussion, and studio. Required for art education majors. First 8 weeks of semester. Must be in the Teacher Education program and have previously taken Junior Block courses.

ART 0381 • 9-16 Methods

Fall • 2 Credit Hours

Exploration of Art Education theory, curriculum, materials, objectives, methods, activities, service learning, and resources preparatory to instruction of secondary school students. Lecture, discussion, and studio. Required for art education majors. Second 8 weeks of semester, taken immediately after ART 380 K-8 Methods. Must be in the Teacher Education program and have previously taken Junior Block courses.

ART 0400 • Advanced Drawing

Fall & Spring • 3 Credit Hours

Advanced investigation of various drawing elements including compositions, structure and aesthetics. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 370 and ART 371.

ART 0401 • Advanced Painting

Fall & Spring • 3 Credit Hours

Students select an individual problem for self-development using a variety of media. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 310 or ART 332.

ART 0407 • Advanced Ceramics

Fall & Spring • 3 Credit Hours

Advanced methods, techniques and procedures of pottery making and design in clay. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 337 or ART 338.

ART 0411 • Advanced Sculpture

Fall & Spring • 3 Credit Hours

An advanced study of sculpture designed to encourage independent thought and investigation to aid in developing the artist's personal imagery while improving knowledge and skills with materials and technique, conceptual thinking and visual communication. The course will consist of lecture, research, studio projects, verbal and written critiques and/or discussions. There will be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 341 or 342. May be repeated for a total of six credit hours.

ART 0412 • Advanced Printmaking

Fall & Spring • 3 Credit Hours

Serigraphy (silkscreen), lithography, intaglio, relief and monoprint processes. Advanced studio methods for color registration and mixed media procedures. Emphasis on design, drawing concept, technical proficiency and presentation. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 313 or ART 314.

ART 0422 • Special Projects I in Graphic Design

Fall & Spring • 3 Credit Hours

Advanced studio project selected by the student in a particular area of graphic design. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper documenting the special project. Prerequisite: ART 351 and approval of the instructor. Six studio hours per week. Lab fee required. There may be additional supply costs in addition to course fees. May be repeated for a total of six credit hours.

ART 0423 • Special Projects I in Jewelry/ Metalsmithing

Fall & Spring • 3 Credit Hours

An advanced studio study in jewelry and metalsmithing. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 330 and approval of instructor. May be repeated for a total of six credit hours.

ART 0424 • Special Projects I in Painting

Fall & Spring • 3 Credit Hours

An advanced studio study in painting. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 401 and approval of instructor. May be repeated for a total of six credit hours.

COURSE DESCRIPTIONS: ART (CONTINUED)

ART 0426 • Special Projects I in Sculpture

Fall & Spring • 3 Credit Hours

An advanced studio study in sculpture. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 411 and approval of instructor. May be repeated for a total of six credit hours.

ART 0427 • Special Projects I in Ceramics

Fall & Spring • 3 Credit Hours

An advanced studio study in ceramics. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 407 and approval of instructor. May be repeated for a total of six credit hours.

ART 0428 • Special Projects I in Drawing

Fall & Spring • 3 Credit Hours

An advanced studio study in drawing. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 400 and approval of instructor. May be repeated for a total of six credit hours.

ART 0429 • Special Projects I in Printmaking

Fall & Spring • 3 Credit Hours

An advanced studio study in printmaking. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 412 and approval of instructor. May be repeated for a total of six credit hours.

ART 0442 • Special Projects II in Graphic Design

Fall & Spring • 3 Credit Hours

Advanced studio project selected by the student in a particular area of graphic design. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project. Prerequisite: ART 422 and approval of the instructor. Six studio hours per week. Lab fee required. There may be additional supply costs in addition to course fees. May be repeated for a total of six credit hours.

ART 0443 • Special Projects II in Jewelry/ Metalsmithing

Fall & Spring • 3 Credit Hours

Same as ART 423. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 423 and approval of instructor. May be repeated for a total of six credit hours.

ART 0444 • Special Projects II in Painting

Fall & Spring • 3 Credit Hours

Same as ART 424. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 424 and approval of instructor. May be repeated for a total of six credit hours.

ART 0446 • Special Projects II in Sculpture

Fall & Spring • 3 Credit Hours

Same as ART 426. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 426 and approval of instructor. May be repeated for a total of six credit hours.

ART 0447 • Special Projects II in Ceramics

Fall & Spring • 3 Credit Hours

Same as ART 427. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 427 and approval of instructor. May be repeated for a total of six credit hours.

ART 0448 • Special Projects II in Drawing

Fall & Spring • 3 Credit Hours

Same as ART 428. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 428 and approval of instructor. May be repeated for a total of six credit hours.

ART 0449 • Special Projects II in Printmaking

Fall & Spring • 3 Credit Hours

Same as ART 429. There may be additional supply costs in addition to course fees. Six studio hours per week. Lab fee required. Prerequisite: ART 429 and approval of instructor. May be repeated for a total of six credit hours.

ART 0450 • Graphic Design IV

Spring • 3 Credit Hours

Advance study of graphic design layout, production and/or video reproduction. Includes advanced projects with computer-aided graphic techniques and equipment. Completion of an individual portfolio is required. Six studio hours per week. Lab fee required. May be repeated for a total of six credit hours. Prerequisite: ART 351.

ART 0490 • Senior Exhibit

Fall • 2 Credit Hours

Prepares senior art majors for their exhibit which is normally scheduled during spring in the Spiva Art Gallery. One hour lecture, two hours of studio per week. Prerequisite: Senior standing and permission of the Review Committee.

ART 0491 • Internship in Art

Fall, Spring & Summer • 1-8 Credit Hours

An off-campus work experience in a professional setting for advanced art majors. All internships must conform with institutional policy regarding the number of hours per credit and with contractual agreements involving the cooperating organization. Prerequisites: six hours of upper division level art coursework, junior standing or above and approval of the Art Department Internship Coordinator.

ART 0498 • Special Topics in Art

Demand • 1-3 Credit Hours

For upper division Art majors or related majors. Topics and methods of current interest not included in other courses. Enrollment by permission of instructor or department head. Prerequisites to be determined by Art Department.

ART 0499 • Independent Study

Fall, Spring & Summer • 1-3 Credit Hours

An in-depth study of some specialized topic or project not considered in the art department course offerings. An advisor from the art faculty will structure the independent study with the approval of the department head. Prerequisite: At least 90 hours completed and an overall cumulative GPA of 3.0 or higher. Enrollment must be approved by the department head and school dean.

BIOLOGY

FACULTY:
Roettger - Interim Chair, Barry, Boman, Creamer, Dennis, Fletcher, Johnson, Kennedy, Lawson, Lemmons, Plucinski, Rinner, Sample, Schlink, Wells, Willand & Zolnierz
Reynolds Annex 105A • 417-625-3176

Mission

Our mission is to provide a stimulating and challenging Biology curriculum, excellence in teaching, quality academic advising, outstanding general education courses and dedicated community and university service, as well as international opportunities for students.

Coursework within biology can encompass a wide range of topics including anatomy, botany, cell biology, ecology, evolution, physiology, zoology and many others. The curriculum for a Bachelor of Science with a Major in Biology is arranged into three areas of study in order to highlight courses that are most appropriate for a particular area of interest.

Biomedical Sciences: Students interested in pre-dental, pre-medical, pre-optometry, pre-pharmacy, pre-physician assistant, pre-physical therapy or pre-occupational therapy, or pre-veterinary studies should consider courses that are listed within the area of biomedical sciences. Many of these courses may be required by professional schools such as medical schools or pharmacy schools.

Field/Conservation Biology: Students interested in botany, conservation, ecology, evolution, marine biology, wildlife, zoology, or other related topics should consider courses that are listed within the area of field or conservation biology. These courses provide a solid educational background for students wanting to pursue graduate studies or careers in these related areas.

General Biology: Students interested in a more broad range of biological topics should consider courses that are listed within the area of general biology. These courses provide a diverse educational background that would allow students to pursue graduate studies or careers in a wide range of biological sciences.

Bachelor of Science in Education with a Major of Unified Science, Biology Endorsement: Will allow students to teach introductory level courses in biology, chemistry, earth science, and physics and to teach advanced courses in biology at the secondary level.

Bachelor of Science in Education with a Biology Certification:
Will allow students to teach introductory and advanced level courses in biology at the secondary level.

Internships are encouraged for biology majors. These internships allow the students to gain practical experience in a work or research setting. Students work under the joint supervision of a faculty member and a representative of the institute providing the intern experience.

Bachelor of Science . . . . . Major Codes BI01-BI10

Biology Major

General Education Requirements (p. 39) 47*		**35**
Biology Requirements		**40**
BIO 110	Principles of Biology I	4
BIO 111	Principles of Biology II	4
BIO 210	Molecular Cell Biology***	4
BIO 231	General and Medical Microbiology	5
BIO 305	Genetics***	4
BIO 402	General Ecology***	
	OR	
BIO 481	Aquatic Ecology***	4
BIO	Electives (200 level or higher)	15**
Supporting Requirements		25
MATH 140	Algebra & Trigonometry (MATH 130 + MATH 135 = MATH 140)	
	OR	
MATH 150	Calculus with Analytic Geometry I	5
CHEM 151	General Chemistry I	5
CHEM 152	General Chemistry II	5
CHEM 301	Organic Chemistry I	5
PHYS 151	Elementary College Physics I	5
Electives		24
Total Hours		**124****

*Required courses in Biology, Chemistry, Mathematics and Physics satisfy major requirements and 12 hours of the General Education Requirements.

**Electives should be chosen based on the following divisions:

BiomedicalSciences 15
Recommended courses: ..... BIO 201 or 331, 240, 301, 308, 350, 361, 362, 370, 380, 433, 442, 455, 456, 464, 475, 490, 491, 498, 499

Field/Conservation Biology 15
Recommended courses: ..... BIO 250, 300, 302, 303, 304, 312, 316, 322, 331, 332, 352, 361, 370, 440, 455, 464, 490, 491, 498, 499

General Biology 15
Recommended courses: ..... Two from each of the following: Biomedical Sciences electives and Field/Conservation Biology electives

***This combination of required courses fulfills computer literacy requirement.
****Must include at least 40 Upper Division (300 - 400 level) hrs.

Although not required for the BS in Biology, some students may need additional courses to meet admission requirements for professional or graduate school. Students should contact their advisor and prospective professional or graduate school for information regarding the specific courses required.

For additional information on Biology or Environmental Health Degrees
Check out the Environmental Health Program on page 84
or go to mssu.edu/academics/arts-sciences/biology

Bachelor of Science in Education . . . . . Major Code ES00
Unified Science Major, Biology Endorsement

General Education Requirements (p. 39) 46-47*.....32

EDUC 301 Technology in Education 3

Biology Requirements 36-38

Required Biology Courses 12

BIO 110 Principles of Biology I 4
BIO 111 Principles of Biology II 4
BIO 121 Anatomy and Physiology I 4

Microbiology, Genetics, Cell Biology, Biochemistry and Evolution 17-18

BIO 305 Genetics 4
BIO 210 Molecular Cell Biology 4
BIO 231 General and Medical Microbiology 5
BIO 221 Human Anatomy and Physiology II 5
OR
BIO 301 Human Physiology 4
OR
BIO 331 Comparative Vertebrate Anatomy 5

Botany - Select One 3-4

BIO 316 Economic Botany 3
BIO 322 Taxonomy of Flowering Plants 4
BIO 440 Plant Pathology 4

Ecology - Select One 4

BIO 312 Environmental Biology 4
BIO 402 General Ecology 4
BIO 481 Aquatic Ecology 4

Supporting Requirements 35

PHIL 420 Philosophy of Science
OR
Approved Substitute 3
MATH 140 Algebra and Trigonometry 5
(MATH 130 + MATH 135 = MATH 140)
CHEM 151 General Chemistry I 5
CHEM 152 General Chemistry II 5
PHYS 151 Elementary College Physics I 5
PHYS 152 Elementary College Physics II 4
GEOL 120 Introduction to Geology 4
GEOL 185 Introduction to Meteorology 4

Educational Requirements (p. 177)47* 44

Total Hours 150-152

*Required courses in Biology, Chemistry, Mathematics, and EDUC 280 satisfy major requirements and 15 hrs of the General Education Requirements. Courses listed may have additional prerequisite requirements that will need to be met before taking the course.

Bachelor of Science in Education . . . . . Major Code ES09
Biology 9-12 Certification

General Education Requirements (p. 39) 46-47*.....32

EDUC 301 Technology in Education 3

Biology Requirements 34

Animal Form and Function 13

BIO 110 Principles of Biology I* 4
BIO 121 Anatomy and Physiology I 4
BIO 221 Anatomy and Physiology II 5

Plant Form and Function 4

BIO 111 Principles of Biology II 4

Cell Biology, Genetics and Evolution 13

BIO 210 Molecular Cell Biology 4
BIO 231 General and Medical Microbiology 5
BIO 305 Genetics 4

Biology Elective - Environmental/Earth Science (Select One) 4

BIO 312 Environmental Biology (4)
BIO 402 General Ecology (4)
BIO 481 Aquatic Ecology (4)

Supporting Requirements 24-25

PHIL 420 Philosophy of Science
OR
Approved Substitute 3
MATH 140 Algebra and Trigonometry* 5
(MATH 130 + MATH 135 = MATH 140)
CHEM 151 General Chemistry I* 5
CHEM 152 General Chemistry II 5
PHYS 151 Elementary College Physics I 5
PHYS 152 Elementary College Physics II 4
GEOL 120 Introduction to Geology 4
GEOL 185 Introduction to Meteorology 4

Educational Requirements (p. 177) 47* 44

Total Hours 137-138

*Required courses in Biology, Chemistry, Mathematics, and EDUC 280 satisfy major requirements and 15 hrs of the General Education Requirements. Courses listed may have additional prerequisite requirements that will need to be met before taking the course.

Minor in Biology
Minor Code.....BI80

Requires a minimum of 20 Biology credit hours. At least 6 credit hours must be upper division (300-400 level) and at least 12 credit hours must be 200 level or above. Courses must be chosen in consultation with an academic advisor from the Department of Biology and Environmental Health.

COURSE DESCRIPTIONS: BIOLOGY

BIO 0100 • Freshman Seminar

Fall • 1 Credit Hour

Designed to give formal and informal instruction to incoming Biology majors on careers in Biology, internships and provide opportunities for students to become actively involved with departmental programs. Recommended for all Biology majors.

BIO 0101 • General Biology

Fall, Spring & Summer • 4 Credit Hours

A survey of general biological principles that emphasize concepts relevant to the student. Special topics may be used to illustrate course content. Three one-hour lectures, one 2-hour laboratory per week. Fulfills General Education requirements for Area D1. Does not fulfill biology degree requirements. Cross-listed as EH 101.

BIO 0110 • Principles of Biology I

Fall & Spring • 4 Credit Hours

First in a two-course introductory sequence for biology majors. The unifying principles of living organisms including scientific method, biological molecules, cell structure, function and metabolism, genetics, evolution, and a survey of Prokaryotes, Protistans, and Fungi. Three lectures, one three-hour lab per week. Fulfills General Education Requirements for Area D1. Prerequisites: an ACT comp score of 21 or higher; or BIO 101 or EH 101 with a grade of 'C' or better. High school chemistry strongly recommended.

BIO 0111 • Principles of Biology II

Fall & Spring • 4 Credit Hours

A continuation of BIO 110 to include the evolution, diversity, structure, function and ecology of plants and animals. Three lectures, one 3-hour lab per week. Prerequisites: BIO 110 with a grade of 'C' or better.

BIO 0121 • Human Anatomy and Physiology I

Fall, Spring & Summer • 4 Credit Hours

The first in a two-course sequence in which human anatomy and physiology are studied using a body system approach. Includes the concept of scientific inquiry and the fundamental concepts of cell biology, cell metabolism and genetics. Three lectures and one, two-hour lab per week. Fulfills the Core Curriculum requirements in Area D1 for certain Allied Health, Environmental Health, and Nursing majors.

BIO 0201 • Human Anatomy

Fall, Spring & Summer • 5 Credit Hours

A general treatment of human anatomy from the tissue through the organ system levels of organization. The lecture provides the conceptual and organizational framework for laboratory, which utilizes microscopy, dissection, anatomical models, and anatomical software. Three hours of lecture and two, two- hour labs per week. Prerequisite: BIO 101 or EH 101 or BIO 111 with a grade of C or higher.

BIO 0210 • Molecular Cell Biology

Fall & Spring • 4 Credit Hours

The study of molecular aspects of cellular structure and function. Biological characteristics of molecules including carbohydrates, lipids, nucleic acids, and proteins will be taught with an emphasis on the concept that organismal physiology is the expression of molecular function. Differences between prokaryotes and eukaryotes will be included. Three hours of lecture, one 3-hr lab per week. Prerequisites: BIO 111 and CHEM 152.

BIO 0221 • Human Anatomy and Physiology II

Fall, Spring & Summer • 5 Credit Hours

This course is a continuation of BIO 121 – Human Anatomy and Physiology I. A systems approach will be used to emphasize the interrelationships between form and function at the gross and microscopic levels of human organization. Three lectures and two, two-hour labs per week. Credit toward the biology major granted for one physiology course: BIO 221 or BIO 301. Prerequisite: BIO 121 with a grade of 'C' or better.

BIO 0231 • General and Medical Microbiology

Fall, Spring & Summer • 5 Credit Hours

Structure and function of microorganisms. Topics include the general principles of microbiology, immunology, and the identification of microorganisms. Three lectures and two 2 hour labs per week. Prerequisite: BIO 101 or BIO 111 or BIO 121 or EH 101 and CHEM 120 or 151.

BIO 0240 • Radiation Biology

Fall & Spring • 3 Credit Hours

Survey of various types of radiation affecting humans, the uses of radiation and methods for monitoring radiation levels. Emphasis on the physiological damage that occurs to tissues following ionizing radiation. Three lectures per week. Prerequisites: Five hrs. of chemistry or acceptance into the School of Radiology.

BIO 0250 • Principles of Botany

Demand • 4 Credit Hours

Anatomy and morphology of the plant kingdom emphasizing botanical aspects of cell biology, chemistry, genetics, physiology and plant defenses. Advantages of evolutionary adaptations evidenced as students are introduced to the diversity of plants. Three lectures and one 2-hour lab per week. Prerequisite: BIO 111.

BIO 0298 • Topics in Biology

Demand • 1-5 Credit Hours

Designed to give instruction in some discipline of biology not covered in other courses. Prerequisites to be determined by department.

BIO 0300 • Evolution

Spring (Even) • 3 Credit Hours

Course designed to enhance the understanding and appreciation of the modern scientific theory of evolution. Evidence and mechanics of evolution exemplified by molecular biology, systematics, genetics and population ecology will be included as well as samples of current evolutionary research. Prerequisites: BIO 101 or BIO 105 or BIO 111.

BIO 0301 • Human Physiology

Fall • 4 Credit Hours

A general treatment of normal human physiology which emphasizes physiological control and homeostasis at the organ system level of organization. Lecture focuses on physiological processes and concepts; the lab emphasizes the measurement and interpretation of physiological variables. Three hours of lecture and one 3-hr lab per week. Credit toward the biology major granted for one physiology course: BIO 221 or 301. Prerequisites: BIO 201 or BIO 221 or 331 and CHEM 120 or higher with a grade of 'C' or better.

BIO 0302 • Conservation Biology

Fall (Even) • 3 Credit Hours

The study of the conservation of biodiversity based on the principles of ecology, evolution, and genetics. This course focuses on ecological and evolutionary principles relevant to conservation, levels of and threats to biodiversity, and practical aspects of conservation, within the context of a human dominated earth. Three lectures per week. Prerequisite: BIO 111.

BIO 0303 • Computer Applications Biology

Demand • 3 Credit Hours

Explores ways in which microcomputers are used to better understand and study biological phenomena. The course develops technical expertise that is required in research, graduate school, teaching and other career fields. Prerequisites: BIO 101 or BIO 105 or BIO 111.

BIO 0304 • Introduction to Geographic Information Systems

Demand • 3 Credit Hours

Geographic Information Systems, GIS, involves the study of spatial (geographic) location of features on the Earth's surface and the relationships between them. The goal of this course is to introduce students to the principles of cartography and GIS as they are used to analyze spatial aspects of society and the human and physical environments. Particular attention will be focused on ecology, environmental health, and related fields Prerequisites GEOG 101 or GEOG 211 and completion of D1 and D2 area of General Education Requirements. Cross-listed as EH 304 and GEOG 304.

BIO 0305 • Genetics

Fall & Spring • 4 Credit Hours

Introduction to principles of heredity, gene structure, expression, and regulation. Emphasis on cytological and molecular approaches to nucleic acid replication, transcription, translation, and other genetic mechanisms. Lab exercises illustrate genetic principles and techniques used in modern genetic research. Three lectures, one 3-hour lab per week. Prerequisite: BIO 111.

BIO 0308 • Pathophysiology

Fall, Spring & Summer • 4 Credit Hours

Altered physiologic states, the cellular manifestations and causes of disease and adaptations to the alterations. Three lectures, one 3-hr. lab per week. Prerequisite: BIO 221 or 301, with a grade of 'C' or better.

BIO 0312 • Environmental Biology

Fall (Odd) & Spring (Even) • 4 Credit Hours

A study of how environmental factors interact with and impact living organisms and ecosystems. Emphasis is on global human ecology, environmental problems, sound environmental management practices and the sustainable use of natural resources. How environmental problems may be solved by the application of sound environmental science in conjunction with the choices allowed by human values. Three hours of lecture and two hours of lab per week. Prerequisites: BIO 101 or 105 or 111 or 121. Cross-listed as EH 312.

BIO 0316 • Economic Botany

Spring (Even) • 3 Credit Hours

Economic uses of plants in the past, present and future. Emphasis on economic aspects of plants in medicine, agriculture, horticulture and industry. Includes the history of plant domestication facilitated by natural selection and purposeful breeding and an overview of plant chemistry, morphology and reproduction pertinent to economics. Prerequisites: BIO 111.

BIO 0322 • Taxonomy of Flowering Plants

Spring (Odd) • 4 Credit Hours

Relationships among selected plant groups with emphasis on classification and descriptions of taxa, nomenclature and concepts concerning the evolutionary sequence of various plant characters. Southwestern Missouri flora emphasized. Two lectures, two 2-hour labs per week. Prerequisite: BIO 111.

BIO 0331 • Comparative Vertebrate Anatomy

Spring • 5 Credit Hours

Fundamental course designed to enhance understanding and appreciation of the structure and adaptations of vertebrates. Emphasis on evolutionary adaptations and the relationship between structure and function. Two lectures, two three-hour labs per week. Prerequisite: BIO 111.

BIO 0332 • Introduction to Entomology

Fall (Even) • 4 Credit Hours

Collecting methods, taxonomy, life history, morphology and evolution of insects. Three lectures, one 3-hour lab per week. Prerequisite: BIO 111.

BIO 0350 • Techniques in Microbiology

Spring (Even) • 2 Credit Hours

This course will give students training in molecular techniques in microbiology through analysis of bacterial antibiotic resistance patterns and their medical ramifications. The origin, incidence, effects and prevention of antibiotic resistance will be discussed and investigated. Molecular techniques screening for and harvesting plasmid DNA from Gram-negative bacteria will be employed. Transference of plasmid DNA will also be performed by students through bacterial conjugation procedures One hour of lecture, two hours of lab per week. Prerequisite: BIO 231.

BIO 0352 • Biomes

Demand • 1-4 Credit Hours

An in-depth study of a selected ecosystem. The interactions between plants and animals with their abiotic environment are studied in the classroom and during an extended field trip usually lasting one week or more. The habitat chosen for study varies from year to year and some trips require physical conditioning or specialized training. Living conditions range from primitive to reasonably comfortable dormitories. Students are required to bear the cost of the trip. Prerequisites: BIO 111 and permission of the instructor.

BIO 0361 • Parasitology

Spring (Even) • 4 Credit Hours

Systematic investigation of the numerous parasites found in vertebrates. Emphasis on life cycles of parasites that infect humans and domestic animals. Three lectures, one 3-hour lab per week. Prerequisite: BIO 111.

BIO 0362 • Virology

Fall (Even) • 3 Credit Hours

Structure, classification and life cycles of bacterial, animal and plant viruses, their significance in disease (including cancer) and the use of viruses in modern biological research. The laboratory will stress the cultivation of viruses in bacterial and other cells. Three lectures per week. Prerequisites: BIO 231.

BIO 0370 • Environmental Health and Safety

Fall, Spring & Summer • 3 Credit Hours

A survey of environmental health and safety issues, problems and protection measures, including public health disease prevention, injury prevention and environmental health hazard mitigation. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross-listed as eh 370 and HS 370.

BIO 0375 • Disease Vector Control

Fall (Even), Spring (Odd) • 1 Credit Hour

Identification and control of organisms that serve as reservoirs and vectors of diseases to humans. One hour of lecture per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross listed as EH 375.

BIO 0380 • Epidemiology

Fall & Spring • 3 Credit Hours

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease outbreaks. Three hours of lecture per week. Prerequisites: BIO 101 or 105 or 110 or 121. Cross-listed as EH 380 and HS 380.

BIO 0390 • Research and Statistical Methods in Biology

Fall • 3 Credit Hours

Develops investigational and technical skills required in biology and environmental health. Students learn introductory statistical analysis and experimental design. Prerequisites: EH 101 or BIO 101 or BIO 111 or BIO 121 and MATH 130 or MATH 140.

BIO 0402 • General Ecology

Fall • 4 Credit Hours

Study of plant and animal communities and their interaction within the environment. Emphasis on flora and fauna of Southwest Missouri and soils, climate and other major environmental factors responsible for the distribution and association of plants and animals. Three lectures, one 3-hour lab per week. Prerequisites: BIO 111.

BIO 0404 • Applications in Geographic Information Systems

Demand • 3 Credit Hours

The goal of this course is to allow students to apply skills in spatial analysis to an advanced research problem in the social or physical sciences. Students will engage in all aspects of a GIS project. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital maps. Particular attention will be focused on advanced applications in ecology, environmental health, and related fields Prerequisites: GEOG 304 or instructor approval. Cross-listed as EH 404 and GEOG 404.

BIO 412 • Mammalogy

Fall (Odd) • 4 Credit Hours

The study mammals, including their classification, distribution, life histories, economic importance, techniques of field study, collection and preservation methods. Three lectures, one 3-hour lab per week. Pre-requisite: BIO 111.

BIO 0433 • Histology

Spring (Even) • 4 Credit Hours

Detailed study of microscopic structure of animal tissues and organs with special emphasis on mammalian tissue. Three lectures, one 3-hour lab per week. Prerequisite: BIO 201 or BIO 331.

BIO 0440 • Plant Pathology

Spring (Odd) • 4 Credit Hours

Historical significance of plant pathology, the physiological response of plants to abiotic factors, the anatomical and physiological aspects of plant susceptibility to disease and examples of management systems. Includes major diseases caused by bacteria, fungi and viruses. Three lectures, one 2-hour lab per week. Prerequisite: BIO 111.

BIO 0442 • Pathogenic Bacteriology

Spring (Odd) • 5 Credit Hours

A study of the structure, identification and pathology of the infectious bacteria. Three lectures, two 2-hour labs per week. Prerequisite: BIO 231.

BIO 0455 • Laboratory Assistant Practicum

Fall, Spring & Summer • 1-2 Credit Hours

Supervised practical experience in assisting undergraduate students in laboratory techniques in 100 and 200 level Biology classes. A maximum of 2 hours of credit can be applied toward the Biology degree. Prerequisite: advanced standing and permission of instructor of class being assisted.

BIO 0456 • Immunology

Fall (Odd) • 4 Credit Hours

Cellular and molecular basis of the immune response in vertebrates including structure, induction and regulation of the immune response. Autoimmune disorders, vaccines, transplantation and diagnostic immunology will also be presented. The laboratory will stress the induction and manipulation of the immune response. Three lectures, one 3-hour lab per week. Prerequisites: BIO 231.

BIO 0460 • Techniques in Biotechnology

Fall (Even) • 3 Credit Hours

Course is designed to provide a more thorough training in the molecular and genetic principles and processes involved in biotechnology and laboratory science. The course will also cover important medical applications of biotechnology, including analyzing human genome data. One one-hour lecture and two, two-hour labs per week. Prerequisite: BIO 210 or 305 AND BIO 231; Junior or Senior standing.

BIO 0464 • Advanced Cell Biology

Spring • 3 Credit Hours

A current perspective on cell biology will be addressed by examining various aspects of cell structure and function. Emphasis will be on communication and regulation mechanisms in both normal and abnormal states. In addition, the historical aspects of cell biology research and the techniques used by researchers will be discussed. Specific topics will be chosen each semester depending on current research with the use of primary literature to illustrate important concepts. Prerequisite: BIO 210 with a grade of 'C" or better.

BIO 475 • Advanced Human Dissection

Fall • 4 Credit Hours

An advanced exploration of human anatomy designed to prepare students for professional school or specialized graduate study. The lecture provides the conceptual and organizational framework for laboratory that emphasizes cadaver dissection supplemented with anatomical software. Two one-hour lectures and two two-hour labs per week. Prerequisites: BIO 201 Human Anatomy or BIO 331 Comparative Vertebrate Anatomy, or instructor permission. Students must qualify for enrollment through a selection process based on academic coursework and performance, professional goals, and a written statement.

BIO 0481 • Aquatic Ecology

Spring • 4 Credit Hours

Analysis of components of freshwater systems, both impoundment and stream environments. Three lectures, one 3-hour lab per week. Prerequisite: BIO 111.

BIO 0491 • Internship in Biology

Fall, Spring & Summer • 0-4 Credit Hours

In conference with an internship committee a semester in advance, the student shall select to work and observe in any area of applied biology in which on-the-job experience would be beneficial to the student's training. Course can be repeated for up to five credit hours but only a maximum of three hours can be used to meet biology degree requirements. Students are required to enroll in 1-4 credit hours, subject to the provisions of the internship, and in a one zero-credit hour. Additional expenses may be incurred depending on the specific requirements of each internship. Prerequisites: permission of the internship committee, department chair, and school dean; sophomore standing with at least eight hours of biology coursework strongly recommended.

BIO 0495 • Roots of Science

Demand • 2-3 Credit Hours

The course will explore the history and lives of scientists who made significant contributions in Biology or sciences impacting Biology. Travel to the scientists' homeland or site of their research will be included to emphasize the historical components of their lives and research. Cultural sites associated with the scientists will also be visited to emphasize society's role in their conclusions. Students will be responsible for travel expenses. Prerequisite: Determined by instructor when offered.

BIO 0498 • Advanced Topics in Biology

Demand • 1-5 Credit Hours

Designed to give advanced instruction in some discipline of biology not covered in other courses. For upper division majors. Prerequisites to be determined by department.

BIO 0499 • Independent Research in Biology

Fall, Spring & Summer • 1-3 Credit Hours

Individual work under the supervision of a faculty member or sponsoring institution, with the credit and hours to be arranged. Problems may be undertaken in any field of biology, with adequate preparation and the consent of the supervising instructor, department head, and school dean. Prerequisite: A minimum GPA of 3.0 and 20 hours of biology.

CHEMISTRY



FACULTY:

Archer - Chair, Donelson, Garoutte, Gilbert-Saunders, Keithly and Summerfield

Reynolds Hall 210 • 417-625-9766

Mission

The Chemical and Physical Sciences Department is a learning community dedicated to:

- providing a curriculum that gives its majors a thorough grounding in the basic principles and methods of chemistry in theory and practice
- offering our students ample opportunities for independent research
- providing chemistry courses suitable for students majoring in other fields
- offering courses in support of the health sciences
- supporting a Medical Laboratory Science program in concert with hospitals in the region
- providing a positive environment for students, staff and faculty

Chemistry and Biochemistry graduates will find an impressive array of options and exciting opportunities in fields such as basic research, environmental protection, instrumentation, new product and process development, technical marketing, market research, forensic chemistry, teaching at all levels and information science. Moreover, chemistry degrees are valuable in health sciences such as medicine, pharmacology, clinical chemistry and industrial hygiene. The first step into a future in chemistry is a formal education. Since chemistry is such a broad field and holds diverse career opportunities, students should plan their education with a goal in mind.

Bachelor of Arts . . . . . Major Code CH01

Chemistry Major

General Education Requirements (p. 39) 46-47*		**39**
Modern Language - Four courses in one Language		12
Chemistry Requirements		**33**
CHEM 151	General Chemistry I**	5
CHEM 152	General Chemistry II**	5
CHEM 201	Analytical Chemistry**	5
CHEM 301	Organic Chemistry I	5
CHEM 400	Elementary Physical Chemistry*	4
Upper Division Chemistry Electives (4 hrs)		4
	AND	
CHEM 302	Organic Chemistry II	5
	OR	
CHEM 427	Instrumental Analysis (5)	
Supporting Requirements		14
PHYS 151	Elementary College Physics I**	5
PHYS 152	Elementary College Physics II**	4
MATH 150	Calculus with Analytic Geometry I**	5
Electives		26
Total Hours		**124*** **

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of General Education Requirements.
**See Prerequisites
***Must include at least 40 Upper Division (300-400 level) hours.
Note: A Bachelor of Arts degree in chemistry is for students who need some knowledge of chemistry as a basis for work in other fields but who do not expect to become professional chemists.

Bachelor of Science . . . . . Major Code CH00

Chemistry Major

General Education Requirements (p. 39) 47*		**39**
Chemistry Requirements		**33**
CHEM 151	General Chemistry I**	5
CHEM 152	General Chemistry II**	5
CHEM 201	Analytical Chemistry**	5
CHEM 301	Organic Chemistry I	5
CHEM 302	Organic Chemistry II**	5
CHEM 400	Elementary Physical Chemistry*	4
CHEM 402	Physical Chemistry II**	4
Supporting Requirements		20
PHYS 250	General Physics I**	2
PHYS 260	General Physics II**	3
PHYS 290	General Physics III**	4
PHYS 291	General Physics III Lab	1
MATH 150	Calculus with Analytic Geometry I**	5
MATH 250	Calculus with Analytic Geometry II**	5
Electives***		32
Total Hours		**124**** **

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of General Education requirements.
**See Prerequisites
***Suggested Electives (CHEM 421, CHEM 422, CHEM 427, CHEM 472, IET 425, MATH 260, MATH 322, PHYS 372, PHYS 341)
****Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science . . . . . Major Codes BC01 - BC06

Biochemistry Major

General Education Requirements (p. 39) 47*		**39**
Chemistry Requirements		**37**
CHEM 151	General Chemistry I**	5
CHEM 152	General Chemistry II**	5
CHEM 201	Analytical Chemistry**	5
CHEM 301	Organic Chemistry I	5
CHEM 302	Organic Chemistry II	5
CHEM 350	Biochemistry	3
CHEM 352	Metabolic Biochemistry	3
CHEM 355	Biochemical Techniques	2
CHEM 400	Elementary Physical Chemistry	4
Supporting Requirements		25
BIO 210	Molecular Cell Biology***	4
BIO 305	Genetics***	4
BIO 464	Advanced Cell Biology	3
PHYS 151	Elementary College Physics I	5
PHYS 152	Elementary College Physics II	4
MATH 150	Calculus & Analytic Geometry I**	5
Electives****		23
Total Hours		**124*****

* Required chemistry, biology and mathematics courses satisfy major requirements and 8 hours of General Education requirements.
** See Prerequisites
*** Suggested prerequisite BIO 111
**** Suggested Electives (CHEM 421, CHEM 427, BIO 231, BIO 301, IET 425; One of: CHEM 297, CHEM 497, CHEM 498, CHEM 499)
***** Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science . . . . . Major Code BC07
Biochemistry Forensic Science Option

General Education Requirements (p. 39) 46-47*.....35
Chemistry & Biology Requirements 71-73

CHEM 151	General Chemistry I	5
CHEM 152	General Chemistry II	5
CHEM 201	Analytical Chemistry	5
CHEM 301	Organic Chemistry I	5
CHEM 302	Organic Chemistry II	5
CHEM 350	Biochemistry	3
CHEM 355	Biochemical Techniques	2
CHEM 400	Elementary Physical Chemistry	4
CHEM 427	Instrumental Analysis	5
BIO 121	Human Anatomy and Physiology I	4
BIO 221	Human Anatomy and Physiology II	5
BIO 210	Molecular Cell Biology	4
BIO 231	General and Medical Microbiology	5
BIO 390	Research and Statistical Methods in Biology	3
BIO 305	Genetics	4
BIO 491 OR CHEM 491	Internship in Biology/Chemistry	4
Select one of the following three:		3-5
BIO 442	Pathogenic Bacteriology (5)	
BIO 362	Virology (3)	
BIO 456	Immunology (4)	
Supporting Requirements		14
MATH 140	College Algebra and Trigonometry	5
PHYS 151	Elementary College Physics I	5
PHYS 152	Elementary College Physics II	4
Electives**		2-4
Total Hours		**124*** **

*Required chemistry, biology and mathematics courses satisfy major requirements and 12 hours of General Education requirements.
**Suggested electives: CHEM 421, CHEM 427, BIO 301; select one: CHEM 297, CHEM 497, CHEM 498 or CHEM 499.
***Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science in Education . . . . . Major Code ES04
Chemistry Major, 9-12 Certification Plan A (Double Teaching Field)

General Education Requirements (p. 39) 46-47*.....32
Chemistry Requirements 34

CHEM 151	General Chemistry I	5
CHEM 152	General Chemistry II	5
CHEM 201	Analytical Chemistry	5
CHEM 301	Organic Chemistry I	5
CHEM 302	Organic Chemistry II	5
CHEM 350	Biochemistry	3
CHEM 355	Biochemical Techniques	2
CHEM 400	Elementary Physical Chemistry	4
Supporting Requirements		21
PHYS 151	Elementary College Physics I	5
MATH 140	Algebra and Trigonometry	5
BIO 110	Principles of Biology	4
GEOL 300	Environmental Geology	4
PHIL 420	Philosophy of Science	3
Education Certification Requirements (p. 177)*		47
Second Teaching Field (Some exceed 30 hours)		30
Total Hours		**164****

*Required chemistry, physics, biology, mathematics and EDUC 280 courses satisfy major requirements and 15 hours of General Education requirements.
** Varies with second field.

Bachelor of Science in Education . . . . . Major Code ES01
Unified Science Major Chemistry Endorsement Grades 9-12 Certification

General Education Requirements (p. 39) 46-47*.....32
Chemistry Requirements 26

CHEM 201	Analytical Chemistry**	5
CHEM 301	Organic Chemistry I**	5
CHEM 302	Organic Chemistry II**	5
CHEM 350	Biochemistry	3
CHEM 355	Biochemical Techniques	2
CHEM 400	Elementary Physical Chemistry	4
CHEM 496	Problems in Chemistry	2
Supporting Requirements		53
PHIL 420	Philosophy of Science	3
BIO 110	Principles of Biology I	4
BIO 111	Principles of Biology II	4
CHEM 151	General Chemistry I**	5
CHEM 152	General Chemistry II**	5
PHYS 250	General Physics I**	2
PHYS 260	General Physics II**	3
PHYS 290	General Physics III**	4
PHYS 291	General Physics III Lab	1
GEOL 120	Introduction to Geology	4
GEOL 185	Introduction to Meteorology	4
MATH 150	Calculus/Analytic Geometry I**	5
MATH 250	Calculus/Analytic Geometry II**	5
Select from one of the following:		4
BIO 312	Environmental Biology (4)	
BIO 402	General Ecology (4)	
BIO 481	Aquatic Ecology (4)	
GEOL 300	Environmental Geology (4)	
Education Certification Requirements (p. 177)		47
Total Hours		**158**

*Required chemistry, physics, mathematics, biology and EDUC 280 courses satisfy major requirements and 15 hours of General Education requirements.
**See Prerequisites

Bachelor of Science in Education . . . . . Major Code ES04
Chemistry Major, 9-12 Certification Plan B (Single Teaching Field)

General Education Requirements (p. 39) 46-47*.....32
Chemistry Requirements 36

CHEM 151	General Chemistry I	5
CHEM 152	General Chemistry II	5
CHEM 201	Analytical Chemistry	5
CHEM 301	Organic Chemistry I	5
CHEM 302	Organic Chemistry II	5
CHEM 350	Biochemistry	3
CHEM 355	Biochemical Techniques	2
CHEM 400	Elementary Physical Chemistry	4
CHEM 496	Problems in Chemistry	2
Supporting Requirements		31
PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
PHYS 290	General Physics III	4
PHYS 291	General Physics III Lab	1
MATH 150	Calculus with Analytical Geometry I	5
MATH 250	Calculus with Analytical Geometry II	5
BIO 110	Principles of Biology I	4
GEOL 300	Environmental Geology	4
PHIL 420	Philosophy of Science	3
Education Certification Requirements (p. 177)*		47
Total Hours		**146**

*Required chemistry/physics, biology, mathematics and EDUC 280 courses satisfy major requirements and 15 hours of General Education requirements.

Minor in Chemistry

Minor Code.....CH80

CHEM 151	General Chemistry I*	5
CHEM 152	General Chemistry II*	5
CHEM 201	Analytical Chemistry*	5
CHEM 301	Organic Chemistry I*	5
Total Hours		20

* See course descriptions for prerequisites

Minor in Advanced Power

Minor Code.....PH81

PHYS 372	Electronic Circuits	4
CHEM 440	Intro to Electrochemistry	3
PHYS 440	Test & Evaluation of Electrochemical Devices	3
CHEM 442	Design & Modeling of Electrochemical Devices	3
CHEM 444	Materials & Processing Methods/Electrochemical Devices	4
CHEM 498	Advanced Topics Electrochemical Devices	2-3
Total Hours		19-20

COURSE DESCRIPTIONS: CHEMISTRY

CHEM 0120 • Chemistry for the Allied Health Sciences

Fall, Spring & Summer • 5 Credit Hours

Basic principles and practical applications of general, organic, and biological chemistry. This course satisfies the requirements of certain teacher education and allied health programs. Four lectures and one 3-hour laboratory period per week. Course is restricted to Allied Health Majors and Middle School Science Education Majors. Prerequisite: Math 30 or higher level math or a Math ACT score of 22 or higher.

CHEM 0151 • General Chemistry I

Fall, Spring & Summer • 5 Credit Hours

Introductions to theories of chemistry with emphasis on the relationship of structure to properties of matter, the changes that occur during chemical reactions and the quantitative aspects of these changes. Four lectures, one 3-hour laboratory per week. Prerequisite or co-requisite: MATH 140 or higher level math course.

CHEM 0152 • General Chemistry II

Fall, Spring & Summer • 5 Credit Hours

Continuation of Chemistry 151. Emphasis on the dynamics and thermodynamics of chemical processes and on the properties and reactions of analogous groups of cations and anions. Four lectures, one 3-hour laboratory per week. Prerequisites: CHEM 151 with a minimum grade of 'C' or permission of instructor and MATH 140 or higher level math course.

CHEM 0190 • Laboratory in Chemistry

Fall, Spring & Summer • 1-2 Credit Hours

A lower division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSU. This will make the transferred course equivalent to the MSSU course. Class may be repeated for credit as needed.

CHEM 0201 • Analytical Chemistry

Fall • 5 Credit Hours

This is the standard first course in quantitative chemical analysis. The lecture and laboratory include the theory and practice of methods of analysis. While the primary emphasis in this course is on the interpretation of experimental results, other aspects of the analytical process are introduced. Three lectures, two 3-hour laboratories per week. Prerequisite: CHEM 152 with a 'C" or better..

CHEM 0297 • Introduction to Research in Chemistry

Fall, Spring & Summer • 1-3 Credit Hours

Introduction to research techniques; laboratory work and literature search under the supervision of an instructor on a chemical research project. Involves laboratory experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) freshman or sophomore standing, 2) the ability to undertake independent work and 3) permission of the instructor. This class may be taken more than once but only six hours or research classes can count toward graduation requirements. Enrollment must be approved by the advisor and the department head.

CHEM 0298 • Topics in Chemistry

Demand • 1-5 Credit Hours

Designed to give instruction in some area of Chemistry not covered in other courses. For sophomore level science majors. Course may be taken more than once for different topics but only six hours of topics classes may be counted for graduation requirements. Prerequisite: CHEM 201 or permission of instructor.

CHEM 0301 • Organic Chemistry I

Fall, Spring & Summer • 5 Credit Hours

Principles of organic chemistry including nomenclature, structure, sterochemistry and reactions will be studied by the functional group approach. A brief introduction to organic reaction mechanisms and spectroscopy will be presented. Four lectures and one 3-hour laboratory per week. Prerequisite: CHEM 152 with a grade of 'C' or better.

CHEM 0302 • Organic Chemistry II

Fall & Spring • 5 Credit Hours

A continuation of Chemistry 301. Primary emphasis is on more in-depth study of the properties, nomenclature, synthesis, reactions and reaction mechanism of both aliphatic and aromatic compounds that were presented in Chemistry 301. The functional group approach is used. Organic spectroscopy is discussed in detail as related to the identification of functional groups and molecular structure. Four lectures and one 3-hour laboratory per week. Prerequisite: CHEM 301 with a grade of 'C' or better.

CHEM 0350 • Biochemistry

Fall • 3 Credit Hours

Fundamental concepts of the chemistry of proteins, carbohydrates, lipids, and nucleic acids with emphasis on physiological aspects of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics, reaction pathways, and chemical mechanisms. Three lectures per week. Prerequisite: CHEM 302 with a grade of 'C' or better.

CHEM 0352 • Metabolic Biochemistry

Spring • 3 Credit Hours

Fundamental concepts of the chemistry of proteins, carbohydrates, lipids, and nucleic acids with emphasis on metabolic pathways of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics, reaction pathways, regulatory pathways, and chemical mechanisms. Three lectures per week. Prerequisites: CHEM 350 or BIO 210 and CHEM 301 all with a grade of 'C' or better.

CHEM 0355 • Biochemical Techniques

Spring • 2 Credit Hours

Fundamental concepts and techniques of the biochemistry laboratory. One 50 minute lecture per week followed by one 3 hour lab. Prerequisite; CHEM 350 with a grade of 'C' or better.

CHEM 0390 • Laboratory in Chemistry

Demand • 1-2 Credit Hours

An upper division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSU. This will make the transferred course equivalent to the MSSU course. Class may be repeated for credit as needed.

COURSE DESCRIPTIONS: CHEMISTRY (CONTINUED)

CHEM 0400 • Elementary Physical Chemistry

Spring • 4 Credit Hours

A macroscopic approach to the understanding of chemical and physical properties of chemical systems is used. The principles of thermodynamics and chemical kinetics, and their application to aqueous solutions, will be emphasized. Solution equilibria, spectroscopy, and transport processes will also be examined. Three lectures, one 3-hour laboratory per week. Prerequisite: CHEM 152 with a 'C' or better and PHYS 152 or PHYS 290 with a grade of 'C' or better.

CHEM 0402 • Physical Chemistry II

Fall (Even) • 4 Credit Hours

In the first part of the course, the focus is a microscopic approach to understanding chemical systems. Quantum theory and molecular spectroscopy are emphasized. Then the microscopic approach (quantum theory) is linked to the macroscopic approach (thermodynamics) using statistical mechanics. Three lectures and one 3-hour laboratory per week. Prerequisite: CHEM 400 with a grade of "C" or better and PHYS 290.

CHEM 0422 • Advanced Inorganic Chemistry

Spring (Even) • 4 Credit Hours

A study of contemporary state of the several bond models in chemistry. A review of the energetics of reactions and coordination theory, followed by the chemistry of the families of the elements in the periodic table. Three lectures and one 3-hour laboratory per week. Prerequisites: CHEM 152 and MATH 250.

CHEM 0427 • Instrumental Analysis

Spring (Odd) • 5 Credit Hours

Designed to familiarize the student with current instrumentation. The approach is through (1) lectures devoted to a particular type of instrumentation and (2) laboratories designed to give hands-on experience in the working of the instrument. Two lectures and two 3-hour laboratories per week. Prerequisite: 15 hours of chemistry with a grade of 'C' or better.

CHEM 0431 • Chemistry Lab Assistant Practicum

Fall, Spring & Summer • 1-2 Credit Hours

Supervised practical experience in assisting undergraduate students in laboratory techniques in General, Analytical, or Organic Chemistry. A maximum of 2 hours of credit can be applied toward a degree in Chemistry or Biochemistry. Prerequisite: Advanced standing, successful completion of the course the student wishes to be an assistant in, and permission of instructor of class being assisted.

CHEM 0440 • Introduction to Electrochemistry

Fall (Even) • 3 Credit Hours

This is a beginning course in electrochemistry with an emphasis on applications to battery technology. Three lectures per week. Prerequisites: CHEM 201, MATH 250.

CHEM 0442 • Design and Modeling of Electrochemical Devices

Demand • 3 Credit Hours

The design of electrochemical cells and the impact of designs on the overpotential losses in these cells (especially batteries). Matlab modeling will be performed. Prerequisite: CHEM 152.

CHEM 0444 • Materials and Processing Methods for Electrochemical Devices

Demand • 4 Credit Hours

This course will provide an overview of materials aspects of advanced batteries and battery systems, focusing on electrode materials, separators and electrolytes. Material properties that influence battery performance characteristics, such as capacity, charge and discharge rates will be reviewed from both practical and theoretical perspectives. Current materials challenges that must be met to further improve battery performance will be discussed. Prerequisites: Junior level standing in Engineering Technology, Physics or Chemistry (MSSU) or Science or Engineering (Missouri S&T).

CHEM 0450 • Medicinal Chemistry

Fall (Odd) • 3 Credit Hours

Fundamental concepts of pharmacology including pharmacokinetics and pharmacodynamics, types of enzyme inhibitors, properties of biological membranes and mechanisms of drug action, including specific examples of commercial drugs, their mode of action and specific biochemical pathways affected by the drug. Three 50-minute lectures per week. Prerequisite BIO 210 and CHEM 301; or Prerequisite CHEM 350; or Co-requisite CHEM 350.

CHEM 0490 • Seminar

Demand • 1-3 Credit Hours

For upper division chemistry majors. Content varies, depending on the student's needs, from library research to special topics in chemistry. Prerequisite: Senior standing or permission of department head.

CHEM 0491 • Internship in Chemistry

Fall, Spring & Summer • 1-3 Credit Hours

In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied chemistry in which on-the-job experience would be beneficial to the student's training. Prerequisites, Junior standing in Chemistry with a minimum of 20 hours of chemistry or by permission.

CHEM 0496 • Problems in Chemistry

Fall, Spring & Summer • 2 Credit Hours

A practical research class especially designed for students seeking a Bachelor of Science in Education with a major in chemistry. The class involves laboratory work and a literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students needing a problems course in chemistry to satisfy Missouri Certification Standards for Secondary Teachers in Chemistry. Students must have a minimum of 20 hours of chemistry and permission of the instructor. Enrollment must be approved by the advisor and the department head.

CHEM 0497 • Research in Chemistry

Fall, Spring & Summer • 1-3 Credit Hours

Independent research techniques; lab work and literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 20 hours of chemistry, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. This course may be taken more than once but only six hours of research classes can count toward graduation requirements. Enrollment must be approved by the advisor and the department head.

CHEM 0498 • Advanced Topics in Chemistry

Demand • 1-5 Credit Hours

Designed to give advanced instruction in some area of chemistry not covered in other courses. For upper division majors. Course may be taken more than once with different topics but only six hours of topics classes may be counted for graduation requirements. Prerequisites to be determined by department.

CHEM 0499 • Independent Study

Fall & Spring • 1-3 Credit Hours

Independent investigation techniques; includes a paper on a selected topic with both a critical survey of the chemical literature and results from advanced lab experimentation. Open to students having (1) minimum of 15 hrs. of chemistry, (2) ability to undertake independent work and (3) permission of instructor. Enrollment must be approved by advisor, department head and school dean.

COMMUNICATION

FACULTY:

Bryant - Chair, Clark, Grecu, Kim, Larson, Slavings, Stebbins and Sullivan

Webster Hall 361 • 417-625-9580

Mission

The mission of the faculty, staff, and students in the Department of Communication is to investigate, create, and disseminate information to a global public using a variety of communication and media channels. The learning and practical experiences provided by the department support the University's mission to prepare students for successful careers and lifelong learning.

Core Values

- Communication studies can provide the basis for a productive career and a rewarding personal life.
- Missouri Southern graduates in communication have found successful careers in media, government, education, public relations, and hospitals, as well as local, national and international organizations.
- A major in communication offers an array of career opportunities in such fields as television, radio, journalism, social media, and corporate and public relations.
- Communication curriculum acknowledges the diversity and interconnectedness among peoples, promotes an understanding of human values and prepares its students for leadership in a competitive world.
- Faculty members emphasize multimedia communication exemplified by speaking and writing skills as well as technical knowledge related to mass media production and theory.
- Faculty members are committed to the continual assessment of programs to ensure that students develop communication competencies sought by business, industry, government, education and the professions.

Majors

Students pursuing a Bachelor of Arts or Bachelor of Science in Communication have two options:

Mass Communication offers students the necessary abilities in producing programs in digital media and/or designing and writing for journalism. This option emphasizes the technical skills, creativity and demand for understanding target audiences in mass media. Students gain hands-on experience in television, radio and print laboratories.

Public Relations allows students to develop a specialty focusing on the aspects of promoting and showcasing organizations through strategic communication.
The communication department also offers the following for education majors:

Speech Communication and Theatre is a Bachelor of Science degree in Education earned in conjunction with the School of Education.

Media outlets and organizations

- KGCS-TV, digital broadcast station and cable service
- KXMS: Fine Arts Radio International, a 24-hour-a-day radio station
- *The Chart*, a student-operated newspaper published weekly
- *Vivid, The Fine Arts Magazine*, published two times a year
- Southern Broadcasters Club
- Public Relations Student Society of America
- Society of Professional Journalists

Applied Learning

Internships, study abroad seminars, and courses emphasizing practical experience allow students to gain professional skills in the fields they may wish to pursue. Students are required to complete a professional portfolio as the capstone component of their degree from the communication department.

General Education Requirements for all students of the University include COMM 100 Oral Communication.

Bachelor of Arts ..... **Major Code** C002

Communication Major - Mass Communications

General Education Requirements (p. 39) 46-47*..... 43-44		
Computer Literacy Requirement:		
Determined by Communication Department		
Modern Language (Four courses in one Language)		12
Communications Requirements 47		
COMM 100	Oral Communication	3
COMM 101	Introduction to Human Communication	3
COMM 111	Newswriting	3
COMM 131	Voice and Diction	3
COMM 215	Interpersonal Communication**	3
COMM 220	Practicum in Communications**	2
	Students must select two different activities	
COMM 310	Communication Law	3
COMM 325	Broadcast News Reporting**	3
COMM 330	Advanced Communications Practicum**	1
COMM 420	Mass Communications Theory**	3
COMM 492	Communication Issues**	3
Communication Electives		17
Electives		21-22
Total Hours.....124**		

*Communication course COMM 100 satisfies three hours of General Education Requirements.
**See Prerequisites
***Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Arts ..... **Major Code** C000

Communication Major - Public Relations

General Education Requirements (p. 39) 46-47*..... 43-44		
Computer Literacy Requirement:		
Determined by Communication Department		
Modern Language (Four courses in one Language)		12
Communications Requirements 47		
COMM 100	Oral Communication	3
COMM 101	Introduction to Human Communication	3
COMM 111	Newswriting	3
COMM 200	Audio Production for Media**	
	OR	
COMM 201	Video Production	3
COMM 211	Introduction to Public Relations	3
COMM 215	Interpersonal Communication	3
COMM 310	Communication Law	3
COMM 325	Broadcast News Reporting**	
	OR	
COMM 333	Media Editing and Design**	3
COMM 340	Research in Communications	3
COMM 355	Case Studies in Public Relations**	3
COMM 455	Writing for Public Relations*	3
COMM 470	New Media Technology**	3
COMM 492	Communications Issues**	3
Communication Electives		8
Electives		21-22
Total Hours.....124**		

*Communication course COMM 100 satisfies three hours of General Education Requirements.
**See Prerequisites
*** Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science with a Major in Communication
General Education Requirements • Students may emphasize Mass Communications or Public Relations option

General Education Requirements (p. 39) 46-47*..... 43-44
Communications Core 28

COMM 100	Oral Communication*	3
COMM 101	Introduction to Human Communication	3
COMM 215	Interpersonal Communication**	3
COMM 305	Intercultural Communication**	3
COMM 310	Communication Law**	3
COMM 340	Research Methods in Communication**	3
COMM 492	Communication Issues**	3
Select One:		1
COMM 121	Forensics Workshop (1)	
COMM 220	Practicum in Communication (1)	
COMM 321	Advanced Forensic Workshop (1)	
COMM 330	Advanced Practicum (1)	
Select One:		3
COMM 304	Small Group Communication** (3)	
COMM 307	Professional Interviewing** (3)	
COMM 431	Electronic Field Production** (3)	
Select One:		3
COMM 325	Broadcast News Reporting** (3)	
COMM 470	New Media Technology** (3)	

*Communication course COMM 100 satisfies three hours of General Education Requirements.
**See Prerequisites

Bachelor of Science in Education ..... Major Code ES21
Speech Communication and Theatre Major
Grades 9-12 Certification - Single Teaching Field

General Education Requirements (p. 39) 46-47*..... 40-41
Computer Literacy Requirement

EDUC 301	Technology in Education	3
Communications Requirements		20
COMM 101	Introduction to Human Communication	3
COMM 215	Interpersonal Communication**	3
COMM 304	Small Group Communication**	3
COMM 315	Argumentation and Debate**	3
Electives in Communications***		8
Theatre Requirements		23
TH 110	Theatre Appreciation	3
TH 121, 122, 221 or 222	Theatre Laboratory	2
TH 142	Theatre Technology	3
TH 212	Oral Interpretation	3
TH 234	Introduction to Theatrical Design	3
TH 241	Acting I	3
TH 331	History of Theatre	
	OR	
TH 332	History of Theatre	3
TH 351	Directing**	3
Education Certification Requirements (p. 177) 46**		43
Total Hours		**129-130*** **

*EDUC 280 fufills Area I and TH 110 fufills Area F1 General Education Requirements.
**See Prerequisites
***Must be approved in advance by the student's advisor who must be selected from either the area of speech communication or theatre.
****Three credit hours are satisfied by EDUC 301.

Bachelor of Science ..... Major Code CO05
Communication Major - Public Relations

General Education Requirements (p. 39) 46-47*..... 43-44
Required Communication Courses Total
(Includes Communication Core) **59**

COMM 111	Newswriting	3
COMM 211	Introduction to Public Relations	3
COMM 355	Case Studies in Public Relations**	3
COMM 420	Mass Communications Theory**	3
COMM 455	Writing for Public Relations*	3
Select One:		3
COMM 200	Audio Production for Media** (3)	
COMM 201	Video Production (3)	
COMM 320	Advanced Video Production (3)	
Select One:		3
COMM 300	Organizational Communication (3)	
COMM 301	Media Management (3)	
Select One:		3
COMM 333	Media Editing and Design (3)	
COMM 335	Feature Writing (3)	
COMM 350	Sports Writing (3)	
COMM 425	Broadcasting Scriptwriting (3)	
Select One:		3
COMM 303	Advanced Public Speaking (3)	
COMM 450	Community Journalism (3)	
COMM 460	Global Journalism (3)	
Communication Electives (Internship Suggested)		4
Electives		**21-22**
Total Hours		**124*** **

*COMM 100 satisfies three hours of General Education Requirements.
**See Prerequisites
***Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science ..... Major Code CO06
Communication Major - Mass Communications

General Education Requirements (p. 39) 46-47*..... 43-44
Required Communication Courses Total
(Includes Communication Core) **59**

COMM 111	Newswriting	3
COMM 220	Practicum in Communication (additional to core)	1
COMM 301	Media Management	3
COMM 330	Advanced Practicum (additional to core)	1
COMM 420	Mass Communications Theory**	3
Select One:		3
COMM 200	Audio Production for Media** (3)	
COMM 201	Video Production (3)	
COMM 320	Advanced Video Production (3)	
Select One:		3
COMM 333	Media Editing and Design (3)	
COMM 335	Feature Writing (3)	
COMM 350	Sports Writing (3)	
COMM 425	Broadcasting Scriptwriting (3)	
COMM 460	Global Journalism (3)	
Communication Electives (Internship Suggested)		14
Electives		**21-22**
Total Hours		**124*** **

*Communication course COMM 100 satisfies three hours of General Education Requirements.
**See Prerequisites
***Must include at least 40 Upper Division (300-400 level) hours.

Minor in Mass Communication

Minor Code.....C080

COMM 100	Oral Communication	3
COMM 111	Newswriting	3
COMM 310	Communication Law	3
COMM 420	Mass Communication Theory	3
Upper Division Communication Electives*		9
Total Hours		21

*Electives must be chosen in consultation with a communication department advisor. A student may emphasize either the print or broadcast media.

Minor in Multimedia with Communication Emphasis

Minor Code.....MM84

Required		12
MRKT 405	Internet Marketing	3
CIS 110	Programming I	3
ART 101	Two Dimensional Design	3
COMM 101	Introduction to Human Communication	3
For Communication emphasis (Choose Two*)		6
COMM 200	Audio Production for Media	3
COMM 211	Introduction to Public Relations	3
COMM 470	New Media Technology	3
Total for Minor (Multimedia)		18

*Other courses may be substituted with permission of advisor.

Minor in Public Relations

Minor Code.....C081

COMM 100	Oral Communication	3
COMM 111	Newswriting	3
COMM 211	Introduction to Public Relations	3
COMM 355	Case Studies in Public Relations	3
COMM 455	Writing for Public Relations	3
Upper Division Communication Electives*		6
Total Hours		21

*Electives must be chosen in consultation with a communication department advisor.

Minor in Speech Communication

Minor Code.....C082

COMM 100	Oral Communication	3
COMM 101	Introduction to Human Communication	3
COMM 215	Interpersonal Communication	3
COMM 303	Advanced Public Speaking	3
Upper Division Communication Electives*		9
Total Hours		21

*Electives must be chosen in consultation with a communication department advisor.

Want to find out more about student-operated media opportunities at MSSU?

KGCS (TV) • mssu.edu/kgcs
***The Chart* • thechartonline.com**
***Vivid, Fine Arts Magazine* • vividfinearts.com**
KXMS (Radio) • mssu.edu/kxms

COURSE DESCRIPTIONS: COMMUNICATION

COMM 0100 • Oral Communication

Fall, Spring & Summer • 3 Credit Hours

Principles of oral communication, including speaking and listening competencies and skills. Primary emphasis is on presenting various types of speeches and improving listening ability. Research organization, reasoning, language and evaluation skill development are included. Three contact hrs. per week. (Required of all degree candidates.)

COMM 0101 • Introduction to Human Communication

Fall & Spring • 3 Credit Hours

An introductory survey of the field of communication, exploring theoretical and research foundations. Included are discussions of language and verbal interaction and nonverbal communication. Contexts of communication are covered: interpersonal, group and organizational, public, intercultural and mass. Also covered will be career opportunities for students who choose a major or minor in communication.

COMM 0111 • Newswriting

Fall & Spring • 3 Credit Hours

Development of techniques in reporting and writing for a newspaper. Work on the college newspaper, The Chart, is required. Prerequisite: English 80 or completion or concurrent enrollment in English 101 or above or permission of instructor.

COMM 0121 • Forensics Workshop

Fall & Spring • 1 Credit Hour

A practicum in forensics, including research, traveling to competitions, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of four hours of credit.

COMM 0131 • Voice and Diction

Fall • 3 Credit Hours

Techniques for improving the speaking voice. Attention to voice production, phonetics, pronunciation and vocal expressiveness.

COMM 0200 • Audio Production for Media

Spring • 3 Credit Hours

Principles and techniques of sound pickup and audio control. Basic techniques of microphone use, control board operation and recording. Projects are taped for analysis and critique. Two hours lecture, two hours lab per week. Prerequisite: COMM 131.

COMM 0201 • Video Production

Fall • 3 Credit Hours

Intensive practice in preparation and production of television programs. Camera techniques, floor setups and direction of crews and talent. Interviewing techniques. Development of varied on-the-air skills. Two hours lecture, two hours lab per week.

For additional information contact:
Ward Bryant, Department Chair
Webster Hall 362 • 417-625-9710
bryant-w@mssu.edu

COMM 0205 • Active Listening and Strategic Negotiations

Spring (Even) • 3 Credit Hours

A study of the role listening plays in our daily lives and our negotiations with others personally and professionally. Emphasis on the listening and negotiation process, types of listening and negotiation skills, response strategies, and what our listening behaviors communicate to others. Intensive practice for those who recognize the importance of genuine listening and wish to acquire proficient listening abilities to achieve the best conflict resolution through negotiation.

COMM 0211 • Introduction to Public Relations

Fall & Spring • 3 Credit Hours

Nature and scope of public relations and its relationship to interpersonal and interdisciplinary conduct. Basic elements of public relations including planning, special events, speeches, news releases, annual reports, financial reporting, visual and electronic media techniques. Prerequisite: COMM 111.

COMM 0215 • Interpersonal Communication

Fall & Spring • 3 Credit Hours

Person-to-person communication with emphasis on dyadic and group communication. Lecture, reading and discussion with class experiments designed to illustrate interpersonal communication problems. Prerequisite: COMM 100.

COMM 0220 • Practicum in Communications

Fall, Spring & Summer • 1 Credit Hour

Laboratory experience on the staff of the University newspaper, yearbook or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of five hours per week is required. One hour of credit each term for a maximum of three terms. Prerequisite: for The Chart or Crossroads, COMM 111; for KXMS, COMM 200; for TV, COMM 201.

COMM 0245 • Media Career Exploration

Fall, Spring & Summer • 2 Credit Hours

Work experience to explore various media in areas related to professional goals in communication and as a stepping stone to a possible internship. Students will work a minimum of 8 hours a week for a newspaper, radio or TV station or in a media capacity for a business firm organization or institution. Students must be approved for the program before enrolling and must apply before the end of one semester for the following semester. Students will work under the supervision of a faculty member and a person at the media company or organization. Students will present a portfolio or demonstration tape at the conclusion of the course, for evaluation of a final grade. Students may repeat the course for a maximum of 4 hours of credit, but each 2 hour course must focus on different media or have different media responsibilities. Prerequisite: Declared communications major with a minimum of 30 semester hours; approval of advisor.

COMM 0255 • Ethics in Public Relations

Fall • 3 Credit Hours

Explores issues most often encountered in public relations and corporate communications using both traditional and contemporary approaches to ethical decision making. The course will cover the processes in the public relations industries, how the campaign development process works, some of the ethical challenges facing the field and social responsibility models and their effects on the organization and organizational stakeholders. Prerequisite: COMM 100 and COMM 211.

COMM 0298 • Topics in Communications

Demand • 1-8 Credit Hours

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in syllabus.

COMM 0300 • Organizational Communication

Fall • 3 Credit Hours

The interface between communication theory and organizational structure. Emphasis upon communication problems in organizations, strategies for overcoming such problems and the design of effective communication systems in organizational settings. Prerequisites: COMM 101 and 215.

COMM 0301 • Media Management

Spring • 3 Credit Hours

Concepts for managing media organizations, including leadership, motivating employees, community involvement, legal aspects, ethics, audience targeting, policy determination, media organizational patterns, marketing, ownership influences, planning and decision making. Prerequisite: COMM 111.

COMM 0302 • Photocommunications I

Fall • 3 Credit Hours

Theory and practice of communication through the medium of photography. Students deal with the application of photography to the mass media.

COMM 0303 • Advanced Public Speaking

Spring • 3 Credit Hours

Performance-based experiences to promote proficiency in the presentation and criticism of oratory. Emphasis on refining the art of informative and argumentative speechmaking. Prerequisite: COMM 100.

COMM 0304 • Small Group Communication

Fall • 3 Credit Hours

Small group context of interpersonal communication emphasizing group behavior and human relations. Specific units include group problem solving, decision making and leadership style. Prerequisite: COMM 100 and ENG 102 or above or permission of instructor.

COMM 0305 • Intercultural Communication

Fall, Spring & Summer • 3 Credit Hours

Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: COMM 100 and ENG 102 or above or permission of instructor. Cross-listed as HS 305.

COMM 0306 • Persuasion

Spring (Odd) • 3 Credit Hours

A theoretical examination of the principles of influencing individuals and groups, a history of rhetoric and modern application of these principles to various areas of social interaction. Prerequisite: COMM 100.

COMM 0307 • Professional Interviewing

Fall (Odd) • 3 Credit Hours

Designed to prepare students for professional fields which require information-seeking and -gathering, decision-making, interaction skills and self-expression. The students will participate in a variety of simulated and actual interviewing situations as both an interviewer and interviewee. Prerequisite: COMM 100.

COMM 0308 • Gender Communication

Demand • 3 Credit Hours

The pragmatics of gender-related communication refers to the study of the embedded contexts of male-female symbolic interaction. This introduction to the field of gender communication will look at interpersonal organizational and cultural contexts. Prerequisite: COMM 100.

COURSE DESCRIPTIONS: COMMUNICATION (CONTINUED)

COMM 0309 • World Cinema

Demand • 3 Credit Hours

This course introduces you to the close analysis, cultural interpretation and global diversity of film as an artistic, social and industrial medium. It will explore some of the major currents in filmmaking from around the globe through various directors and film movements.

COMM 0310 • Communication Law

Fall & Spring • 3 Credit Hours

Statutes, administrative regulations and court decisions affecting freedom of information, censorship, libel, privacy, contempt of court, obscenity, legal access, copyright, advertising and broadcasting. Rights, privileges and obligations of the press. Prerequisite: COMM 100.

COMM 0315 • Argumentation and Debate

Fall (Even) • 3 Credit Hours

The theory of the modern forms of evidence, evaluations, arguments, methods of refutation and ethical relationships of these methods in a free society. Electronic tournament administration software is used. (Meets certification requirements for secondary education.) Prerequisite: COMM 100.

COMM 0316 • Business Journalism

Spring • 3 Credit Hours

Application of the basic methods and tactics of a business journalist, while incorporating news value, proper spelling and grammar, and Associated Press style. Prerequisite: COMM 111, or permission of department head.

COMM 0320 • Advanced Video Production

Spring • 3 Credit Hours

Focuses on the elements of producing and directing video programs. Students spend laboratory time learning techniques of producing programs for the University's television station. One hour lecture, four hours lab each week. Prerequisite: COMM 201.

COMM 0321 • Forensics Workshop

Demand • 1 Credit Hour

Advanced practicum in the area of forensics, including research, traveling to competitions, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of four hours of credit. Prerequisites: Junior or senior standing and COMM 121.

COMM 0325 • Broadcast News Reporting

Spring • 3 Credit Hours

Experience in writing and reporting news for broadcast. Interview assignments, wire rewriting and actualities. Computer laboratory experience. Prerequisite: COMM 111.

COMM 0330 • Advanced Communications Practicum

Fall, Spring & Summer • 1 Credit Hour

Intensive laboratory experience on the staff of the University newspaper, magazine, broadcast media or on special communications projects. Students will work for a minimum of five hours per week in positions of major responsibilities. May be repeated for a maximum of six hours of credit. Prerequisites: Junior or senior standing; media courses to prepare student adequately for work expected; COMM 220 or permission. For TV: COMM 320 Advanced Video Production or COMM 431 Electronic Field Production, for Crossroads: COMM 335 Feature Writing.

COMM 0331 • Advanced Newspaper Practicum

Fall, Spring & Summer • 2 Credit Hours

Intensive lab experience with opportunities for major leadership position on the staff of the University newspaper. Students will participate fully in the publication of the newspaper working under the supervision of a faculty member. One class session plus a minimum of ten working hours per week are required. Attendance at a weekly newspaper staff meeting also is required. Two hours of credit each term for a maximum of two terms. Prerequisites: COMM 220 and 330.

COMM 0333 • Media Editing and Design

Spring • 3 Credit Hours

An examination of the editor's role and the editing process for print and online news media. Emphasis on spelling, grammar, the Associated Press Stylebook, editing for accuracy and fairness, coaching writers, writing headlines, and designing for print and online. Prerequisite: COMM 111 or permission of instructor.

COMM 0335 • Feature Writing

Fall (Odd) • 3 Credit Hours

Finding and writing newspaper features and magazine articles, including profiles, columns, reviews, investigative pieces, travel stories and history articles. A focus on developing and selling story ideas. Work on the University newspaper, The Chart, and the alumni magazine Crossroads is required. Prerequisite: COMM 111 or consent of instructor.

COMM 0340 • Research Methods in Communication

Fall & Spring • 3 Credit Hours

An introduction into the process of research in communications. Using a variety of research approaches to look at different communication artifacts, classroom focus is on the finding, nature and evaluation of research. Research methods process is applied to popular communication artifacts. Senior standing or permission of instructor required.

COMM 0350 • Sports Writing

Demand • 3 Credit Hours

The fundamental principles of reporting and interpreting sports, improving writing and editing skills for game coverage and feature stories and further developing and refining those skills necessary for success in the field. Prerequisite: COMM 111.

COMM 0355 • Case Studies Public Relations

Spring • 3 Credit Hours

Analysis of public relations practices, including planning, communication, evaluation; management responsibilities. Prerequisite: COMM 211.

COMM 0360 • Visual Communication: Images with Messages

Demand • 3 Credit Hours

An examination of visual modes of communication. Topics will include the basic elements of visual messages, the relation of visual communication to language and the place of images in everyday life. This course is a direct result of the new age in communications initiated and promoted by computer technology. Junior or Senior status or permission of instructor.

COMM 0380 • International Media Seminar

Demand • 2 Credit Hours

An extensive look at the world of international media through the experiences of renowned speakers and discussion leaders. Student will spend a week in Paris, France, attending seminars and conferences and meeting foreign correspondents, syndicated columnists, newspaper editors, television producers and diplomats. Students must pay for travel and seminar expenses, with specific details available prior to enrollment.

COMM 0400 • Advanced Organizational Communication

Demand • 3 Credit Hours

The application of communication theory within the organizational structure is the thrust of the course. Particular attention is focused on analysis and diagnostic capabilities. Communication training and development within an organizational setting is emphasized. Prerequisite: COMM 300.

COMM 0401 • Nonverbal Communication

Spring • 3 Credit Hours

Study types and effects of various nonverbal communication behaviors and develop competencies and skills in applying the study to selected perspectives. Original research as well as published research will be emphasized. Prerequisite: COMM 100.

COMM 0402 • Photocommunications II

Spring • 3 Credit Hours

Advanced theory and practice of communication through the medium of photography. Students work on the application of photography to the mass media. The use of computer programs and visual manipulation of images is a component of the course. Persuasion, nonverbal communication, public communication and interpersonal communication will be used to create a portfolio of journalistic photographs that offer a visual narrative to the viewer. Prerequisite: Photocommunications I or consent of the instructor.

COMM 0405 • Advanced Intercultural Communication

Demand • 3 Credit Hours

An in-depth analysis of variables which influence communication among peoples from different cultures. It will be an application of the intercultural theories and principles learned in the basic Intercultural Communication course. This in-depth analysis of seven cultures, Northern Ireland, American Indians, Germany, China, Japan, India and the Amish subculture in North America, from a communication perspective will utilize the case study method. Prerequisite: COMM 305 or permission of instructor.

COMM 0410 • Crisis Communication

Fall • 3 Credit Hours

Provides students insights regarding key concepts, theoretical perspectives, essential skills and abilities, and critical thinking and problem solving skills necessary for effective crisis communication within organizations. The course follows the crisis communication process through the stages of pre-crisis, crisis, and post-crisis. The pre-crisis stage discusses planning and environmental scanning. The crisis stage discusses communication strategies for image restoration. The post-crisis stage depicts crisis as an opportunity for organizational learning and for rebuilding or expanding public trust. The course uses a case study approach throughout. Prerequisite: COMM 211.

COMM 0411 • Political and Social Communication

Fall • 3 Credit Hours

Critical analysis of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs; includes lecture, reading and discussion. Prerequisites: COMM 100 and junior or senior standing.

COMM 0420 • Mass Communications Theory

Fall • 3 Credit Hours

Explores the various theories which have been applied to understanding the effects of the mass media. Students will learn the various paradigms which have been applied in attempting to predict media performance, reliability and impact. Prerequisite: COMM 100 plus 3 hours of communication courses.

COMM 0425 • Broadcast Scriptwriting

Demand • 3 Credit Hours

Methods, style and techniques for preparing scripts for various types of radio and television programs and announcements. Using the computer for typing scripts. Emphasis on promotion commercials, public service announcements, partially scripted and fully-scripted program formats, such as public affairs programs, variety shows, game shows, the documentary and drama. Prerequisites: COMM 111 and 200 or 201 or 325.

COMM 0430 • Advanced Broadcast News Reporting

Demand • 3 Credit Hours

Theory and practice of producing a regularly scheduled television newscast. Study, criticism and evaluation of broadcast journalism. Six laboratory hours plus one staff meeting per week. Course may be repeated for a maximum of six hours. Prerequisite: COMM 325.

COMM 0431 • Electronic Field Production

Fall • 3 Credit Hours

Planning, designing and executing electronic field productions. This course is designed to build aesthetic awareness and the technical skills necessary to conceive and develop an idea and communicate that idea to others. Two hours of lecture and two hours of laboratory weekly. Prerequisite: COMM 101.

COMM 0433 • Advanced Media Editing and Design

Fall • 3 Credit Hours

Application of the editor's role in design for print and online media with attention to design principles for complex layouts, while incorporating news value, proper spelling and grammar, and Associated Press style. Prerequisite: COMM 333 or permission of department head.

COMM 0450 • Community Journalism

Demand • 3 Credit Hours

Examining the nature and role of community journalism in an urbanized society is the thrust of the study. It relies heavily on the expertise of community journalism practitioners as resources of information and research. Experience with small daily and weekly newspapers will be the foundation for developing skills in community journalism. Prerequisite: COMM 111.

COMM 0455 • Writing for Public Relations

Fall • 3 Credit Hours

Study, analysis and practice in writing for public relations media or for public relations use by media. Includes writing news, publicity and feature stories as well as effective letter writing, newsletters and brochures. Prerequisite: COMM 211.

COMM 0460 • Global Journalism

Demand • 3 Credit Hours

Structures, processes and functions of newspapers around the world. Encompasses such issues as the use of print media between and within nations, censorship and repression, news coverage of war and U.S. news coverage of international affairs. Prerequisite: COMM 111.

COMM 0470 • New Media Technology

Fall • 3 Credit Hours

Exploration of developed and developing technologies likely to shape the future of electronic media. New uses of older technologies. Historical development, regulation and audience effects of these technologies. Students will become aware of critical controversies and projected future developments of technology. Prerequisite: Junior standing.

COMM 0491 • Internship in Communications

Fall, Spring & Summer • 1-8 Credit Hours

Off-campus work experience in areas related to professional goals of students. For advanced majors in communications. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. In all internships students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. Students may repeat the course to a maximum of 8 hrs. of credit. Prerequisite: Communications major with a minimum of 85 semester hrs.; approval of department head prior to enrolling. Some internships may have other specific prerequisites. Guidelines are available in the department's offices and must be followed.

COMM 0492 • Communication Issues

Spring • 3 Credit Hours

Required of all communications majors. Synthesizes information obtained from previous coursework. Students are presented with current issues of concern from communications fields and are asked to present possible scenarios for their resolution. Prerequisite: Senior standing, plus 15 hrs. in communications.

COMM 0498 • Advanced Topics in Communication

Demand • 1-8 Credit Hours

For upper-division students. Topics to be announced each time the course is offered.

COMM 0499 • Independent Study in Speech, Mass Communications or Public Relations

Fall, Spring & Summer • 1-3 Credit Hours

Individually directed study in selected areas for advanced majors in communications. Projects require an individually tailored independent study syllabus structured by the advisor and must be approved by the department head and school dean prior to enrollment. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications.

CRIMINAL JUSTICE ADMINISTRATION

FACULTY:

Hulderman - Chair, Adams, Gunderman, Scott, Spencer, Spurlin, and Wilson

Justice Center 126 • 417-625-9302

Mission

The mission of the Criminal Justice Administration Department is to encourage lifelong learning and scholarship, to produce qualified and knowledgeable graduates and to foster development of ethical professionals prepared for leadership positions in the criminal justice system and related fields. The department is devoted to emphasizing quality teaching and learning, to providing an international perspective and to promoting the value of community service. The department seeks to further the study and understanding of criminal justice through our teaching, scholarship and service.

Adding to the extremely versatile Bachelor of Science degree in Criminal Justice Administration and the Associate of Science degree in Law Enforcement, the Criminal Justice Department offers the Bachelor of Science degree in CIS and the Bachelor of Science in Criminal Justice Administration - Computer Forensics.

These exciting degree programs are complemented by four minors:
- Criminal Justice Administration
- Juvenile Justice
- Corrections
- CSI-Crime Scene Investigation



The many combinations offer a myriad of opportunities for students seeking careers in the criminal justice system and related fields.

The Criminal Justice Administration degree offers academic training coupled with real world practical training for students pursuing careers as criminal justice professionals in the traditional fields of law enforcement, juvenile justice, corrections, probation and parole, and private safety and security. The Criminal Justice program provides a varied curriculum, small classes, faculty who provide individual academic attention, international education opportunities and a unique learning environment that meet the needs of a diverse student body. The program prepares students for a wide variety of careers as criminal justice professionals as well as graduate programs in criminal justice, law and other related fields.

In addition to day and evening courses, students can obtain the Bachelor of Science in Criminal Justice Administration and the Associate of Science in Law Enforcement degrees over the Internet. The many hybrid courses combine the benefits of the classroom experience with the flexibility of the Internet. The department offers criminal justice professionals, who have experience in the field, college credit for work experience through the portfolio process. The Department also recommends that all students participate in the internship program, where students receive university credit for working side by side with practicing criminal justice professionals.

Our faculty members are attentive to student needs and strive to prepare students for challenging criminal justice careers. They have over 100 years of combined practical experience as:
* State and local law enforcement officers
* Juvenile officers
* Legal advocates
* Correctional officers
* Criminal investigators
* Child abuse investigators
* Private security
* Nonprofit agency administrators

The Criminal Justice Department emphasizes the international mission and provides students with opportunities to study and travel abroad to view firsthand other criminal justice systems around the globe. Our faculty and students have explored the criminal justice systems of England, France, Australia, New Zealand, Morocco, Italy, Israel, Spain and Costa Rica. In the years since the international mission was implemented, more than 350 criminal justice students have studied abroad.

The state-of-the-art Mills Anderson Justice Center is the home of the Criminal Justice Administration Department. The department houses a high-tech mobile Crime Scene Investigation Unit. The facility features a modern indoor “live-fire” range and two firearms training simulators. The auditorium provides a forum for lectures and advanced training seminars for practicing criminal justice professionals. These seminars are taught by nationally recognized criminal justice professionals, allowing students to learn from the experts and network with potential employers. The gymnasium and crime scene rooms provide for real-life practical scenario training.

The Criminal Justice Department at Missouri Southern State University also operates the 600-hour Basic Law Enforcement Training Academy. (See Law Enforcement.)

Bachelor of Science . . . . . Major Code CJ01
Criminal Justice Administration

General Education Requirements (p. 39)		**46-47**
Criminal Justice Requirements		39
LE 100	Introduction to Criminal Justice	3
LE 210	Criminal Procedure	3
LE 232	Ethics In Criminal Justice	3
LE 250	Criminal Law	3
CJAD 275	The Juvenile Justice System	3
LE 280	Professional Writing in Criminal Justice*	3
CJAD 301	International Justice Systems	3
CJAD 320	Probation and Parole*	3
CJAD 330	Asset Protection*	3
CJAD 370	International Terrorism*	3
CJAD 410	Juvenile Procedures*	3
CJAD 411	Juvenile Corrections*	3
CJAD 412	Correctional Practices*	3
Select from the following list of major course electives		12
LE 180	Basic Law Enforcement Academy I*#	13
LE 181	Basic Law Enforcement Academy II*#	13
LE 190	First Responder	2
LE 200	Crime Scene Investigation I	3
LE 220	Crime Scene Photography	3
LE 225	Patrol Procedures	3
LE 230	Community Policing	3
LE 260	Legal & Technical Aspects of Firearms	3
LE 290	Police Supervision & Management	3
LE 298	Topics in Law Enforcement*	1-8
CJAD 300	Criminal Investigation	3
CJAD 302	Comparative Criminal Justice Systems and Cultures	2
CJAD 310	Traffic Accident Investigation & Control*	3
CJAD 340	Crime Scene Investigation II*	3
CJAD 350	Fish/Game Enforcement	3
CJAD 360	Professional Development	2
CJAD 390	Crime Analysis*	3
CJAD 400	Homicide Investigation*	3
CJAD 405	Homicide Investigation II*	3
CJAD 430	Family Violence*	3
CJAD 440	Victimology*	3
CJAD 450	Criminal Evidence*	3
CJAD 455	Interview and Interrogation*	3
CJAD 460	Cultural Diversity and Racial Disparity in CJ*	3
CJAD 475	Organized Crime*	3
CJAD 485	Child Exploitation and Pornography Investigation*	3
CJAD 487	Rape & Sexual Assault Investigation*	3
CJAD 491	Internship in Criminal Justice Adminitration*	4-8
CJAD 498	Advanced Topics in Criminal Justice*	1-3
CJAD 499	Independent Study*	1-6
Electives		26-27
Total Hours		**124**

*See course descriptions and university requirements for prerequisites.
#Only 13 hours of the Basic Law Enforcement Academy will be applied to the 12 hour elective requirement.
General electives selected with advisor approval must include sufficient upper division courses (courses numbered at the 300 or 400 level) to complete university requirements for a minimum 40 upper-division hours. A minor is highly recommended.

Bachelor of Science . . . . . Major Code CJ00
CIS and Criminal Justice Administration Computer Forensics Option

General Education Requirements (p. 39) 46-47*		**43-44**
CIS Requirements (p. 139)		33
CJAD Core Requirements		33
LE 100	Introduction to Criminal Justice	3
LE 200	Crime Scene Investigation I	3
LE 210	Criminal Procedures	3
LE 232	Ethics in Criminal Justice	3
LE 250	Criminal Law	3
LE 280	Professional Writing in Criminal Justice	3
CJAD 330	Asset Protection	3
CJAD 340	Crime Scene Investigation II	3
Upper Division Electives		9
Supporting Requirement		
MATH 130	College Algebra*	3
General Electives		11-12
Total Hours		**124**

*Math course in major requirements satisfies 3 hours of the GER.

Minor in CSI (Crime Scene Investigation)

Minor Code.....CJ81

A minor in CSI-Crime Scene Investigation is designed to prepare students who are seeking careers utilizing crime scene investigation techniques and crime scene analysis. The minor provides students with the necessary skills to accurately investigate and process crime scenes, which include legal aspects, police response, photography, diagramming and collecting physical evidence. Writing reports and presenting courtroom testimony are additional skills that will be developed.

Students pursuing this minor may seek employment with investigative agencies on the federal, state and local levels. A minor in CSI-Crime Scene Investigation consists of 24 credit hours. Students must have a faculty advisor for a minor in CSI-Crime Scene Investigation.

LE 100	Introduction to Criminal Justice	3
LE 200	Criminal Scene Investigation I	3
LE 220	Crime Scene Photography	3
CJAD 340	Crime Scene Investigation II	3
CJAD 390	Crime Analysis	3
CJAD 400	Homicide Investigation	3
CJAD 450	Criminal Evidence	3
Select one of the following		3
LE 210	Criminal Procedure (3)	
LE 250	Criminal Law (3)	
Total Hours		24

Minor in Criminal Justice Administration

Minor Code.....CJ82

A minor in Criminal Justice Administration is designed for students who wish to combine a major with the versatile criminal justice administration minor. Students majoring in business, biology, international studies, psychology, sociology or other related fields who have a desire to work in the field of criminal justice will find this minor beneficial.

A minor in Criminal Justice Administration consists of 24 credit hours. Students must have a faculty advisor for a minor in Criminal Justice Administration.

LE 100	Introduction to Criminal Justice	3
LE 210	Criminal Procedure	3
LE 232	Ethics in Criminal Justice	3
LE 250	Criminal Law	3
Electives		12
	Students may select 12 hours from LE and CJAD electives. At least nine hours must be upper division.	
Total Hours		24

Minor in Corrections

Minor Code.....CJ80

A minor in Corrections is designed to prepare students who are seeking careers in the field of adult or juvenile corrections. A minor in Corrections offers students a variety of employment possibilities in local, state and federal agencies. These employment opportunities include juvenile or adult probation and parole officer, pretrial or post-trial investigator, detention officer, corrections specialist or corrections caseworker. Students majoring in criminal justice, psychology, sociology or other related fields who have a desire to work in the field of corrections will find this minor beneficial.

A minor in Corrections consists of 24 credit hours. Students must have a faculty advisor for a minor in Corrections.

LE 100	Introduction to Criminal Justice	3
CJAD 320	Probation and Parole	3
CJAD 411	Juvenile Corrections	3
CJAD 412	Correctional Practices	3
SOC 351	Criminology	3
SOC 362	Deviant Behavior	3
SOC 391	Penology and Corrections	3
PSY 221	Psychology of Personal Adjustment	3
Total Hours		24

Minor in Juvenile Justice

Minor Code.....CJ83

A minor in Juvenile Justice is designed to prepare students who are seeking careers in the Juvenile Justice System. Adjudication and aftercare of the juvenile offender as well as child protection are the primary emphases of a minor in Juvenile Justice.

Students majoring in criminal justice, psychology, sociology or other related fields who have a desire to work in the Juvenile Justice System will find this minor beneficial. Juvenile officer, child abuse investigator and group home counselor, are just a few of the employment options available to a graduate with a Juvenile Justice minor.

A minor in Juvenile Justice consists of 24 credit hours. Students must have a faculty advisor for a minor in Juvenile Justice.

LE 100	Introduction to Criminal Justice	3
CJAD 275	Juvenile Justice System	3
CJAD 410	Juvenile Procedures	3
CJAD 411	Juvenile Corrections	3
CJAD 430	Family Violence	3
CJAD 485	Child Exploitation and Pornography Investigation	3
SOC 312	Juvenile Delinquency	3
Select one from the following		3
PSY 200	Child Development (3)	
PSY 201	Adolescent Development (3)	
Total Hours		24

For additional information contact:
Criminal Justice Administration Department
Dr. Michael Hulderman, Chair
Justice Center 126B
417.625.9684
hulderman-m@mssu.edu

COURSE DESCRIPTIONS: CRIMINAL JUSTICE ADMINSTRATION

CJAD 0275 • The Juvenile Justice System

Fall • 3 Credit Hours

The Juvenile Justice System is a survey course that is designed to introduce the student to the organizations, processes and actors that comprise the Juvenile Justice System. The course emphasizes the history of the juvenile justice system, the agency interactions and interrelationships, the concepts of prevention and diversion, the development of juvenile gangs, the roles of criminal justice professionals and the future of the Juvenile Justice System.

CJAD 0298 • Topics in Criminal Justice Administration

Demand • 1-8 Credit Hours

Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration. Precise topics are announced with prerequisites stipulated in the course syllabus.

CJAD 0300 • Criminal Investigation

Spring • 3 Credit Hours

Major case investigative methods, sources of information, development of leads, methods applicable to organized crime and specific offenses. Prerequisite: LE 100.

CJAD 0301 • International Justice Systems

Spring • 3 Credit Hours

A study of justice systems around the world, comparing them to America's justice system. Course considers the three important components of a justice system: police, courts and corrections. Includes cultural differences of the countries studied as they relate to their justice systems.

CJAD 0302 • Comparative Criminal Justice Systems and Cultures

Demand • 2 Credit Hours

Comparative Criminal Justice Systems and Cultures will focus on the criminal justice systems and cultures of selected countries as they compare to the American justice system and culture. Travel in selected countries will include visits to criminal justice agencies and facilities as well as interactions with criminal justice professionals.

CJAD 0305 • Criminal Justice Research and Statistical Analysis

Spring • 3 Credit Hours

This course is a study in research methods and statistical techniques used to investigate, collect, analyze, and interpret matters related to the criminal justice field. Topics include non-experimental survey research, samples and populations, research design, human subjects, descriptive and inferential statistics, frequency distribution, mean and standard deviation, probability and normal distribution, hypothesis testing, cross-tabulation, Analysis of Variance, and correlation and regression. Prerequisites: LE 100 and MATH 125 or above with a grade of C or above.

CJAD 0310 • **Traffic Accident Investigation** and Control

Demand • 3 Credit Hours

Theory and techniques for investigating and reducing occurrence of motor vehicle accidents. Includes collection and evaluation of physical evidence reporting. Prerequisites: LE 280.

CJAD 0320 • Probation and Parole

Fall • 3 Credit Hours

Study of the entire system of probation and parole internationally, nationally and locally. Prepares students for the state merit exam in probation and parole. Study of pre-sentence investigation methods, predicting parole behavior, supervisory practices, legal aspects, the use of amnesty and pardons. Prerequisites: LE 100.

CJAD 0330 • Asset Protection

Spring • 3 Credit Hours

Security techniques in loss prevention for retail business, industry, governmental protection, hotel and motel, hospital, school, transit systems, and utilities. Prerequisites: LE 100.

CJAD 0340 • Crime Scene Investigation II

Spring • 3 Credit Hours

Advanced methods and techniques used by investigators to identify and collect items of evidentiary value left at crime scenes. Topics to include the use of forensic light sources to locate physical evidence, bloodstain pattern analysis, casting impression evidence, fingerprint processing, and entomological evidence. Prerequisites: LE 100 and LE 200 or permission.

CJAD 0350 • Fish and Game Enforcement

Demand • 3 Credit Hours

Problems and procedures encountered and used by conservation enforcement officers. Laws and enforcement procedures.

CJAD 0360 • Professional Development

Demand • 2 Credit Hours

Development of employability and career skills will be emphasized focusing on tools necessary for employment: communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

CJAD 0370 • International Terrorism

Fall • 3 Credit Hours

International Terrorism examines the known facets of contemporary terrorism. Analyzes the laws and special forces/law enforcement agencies which nations within the international community have created to meet the challenge of international terrorism. Examines anticipated patterns of terrorism in the new century. Emphasis on legal and security measures designed to prevent terrorism.

CJAD 0390 • Crime Analysis

Fall • 3 Credit Hours

A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences, and the initiation of target profile analysis. Prerequisites: LE 100.

CJAD 0400 • Homicide Investigation

Fall • 3 Credit Hours

Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal, or criminal cause. Prerequisites: LE 100 and LE 200.

CJAD 0405 • Homicide Investigation II

Demand • 3 Credit Hours

This course will primarily focus on adult and child sex-related homicides. In addition, this course will examine various homicide cases using a case study analysis to better understand the investigative process involved in a homicide investigation. Prerequisites: CJAD 400 or permission.

CJAD 0410 • Juvenile Procedures

Spring • 3 Credit Hours

Examines the evolution of the juvenile justice system as well as current practice and procedure in juvenile and family courts. Focus on law, jurisdiction, constitutional requirements and court rules. Also considers topics such as juvenile gangs, child abuse and neglect, child custody, and status offenders. Prerequisites: CJAD 275.

CJAD 0411 • Juvenile Corrections

Fall • 3 Credit Hours

Overview of the design and legal requirements of juvenile correctional institutions including an analysis of the juvenile interstate compact laws and management principles of juvenile correctional institutions. Prerequisites: CJAD 275.

CJAD 0412 • Correctional Practices

Spring • 3 Credit Hours

History of corrections as it relates to correctional practices. In-depth study of the rights of the incarcerated inmate as well as the powers and duties of the correctional officer. Prerequisite: LE 100.

CJAD 0430 • Family Violence

Demand • 3 Credit Hours

Introduces the dynamics of family violence from the perspective of law enforcement. Examines the relationships between victims, offenders, and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system. Prerequisites: CJAD 275.

CJAD 0440 • Victimology

Demand • 3 Credit Hours

Introduces the study of victimization. Examines the relationship between victims and the criminal justice system. Prerequisite: CJAD 275.

CJAD 0450 • Criminal Evidence

Demand • 3 Credit Hours

Rules of evidence, admissibility, presumptions, inferences, burden of proof, and exceptions to the hearsay rule. Prerequisites: LE 100, LE 210, and LE 250.

CJAD 0455 • Interview and Interrogation

Demand • 3 Credit Hours

This course will present detailed information about interviewing and interrogation techniques. This course will also examine the law governing interviews and interrogations as well as certain aspects of admissibility of confessions as evidence in criminal cases. Prerequisites: LE 100 and LE 280.

CJAD 0460 • Cultural Diversity and Racial Disparity

Demand • 3 Credit Hours

A course for students seeking cross-cultural knowledge and sensitivity in criminal justice. Students will learn practical methods for dealing with diverse cultures, ethnic groups, and those who are physically, mentally, and emotionally challenged. Prerequisite: LE 100.

CJAD 0475 • Organized Crime

Demand • 3 Credit Hours

The course will provide an overview of American and internationally organized crime and the legal techniques used to address the problem. Emphasis will be placed on the major groups and their principal forms of criminal activity: drugs, trafficking of human beings, money laundering and financial crimes. The emerging effort to fight organized crime internationally will be examined. Prerequisite: LE 100.

CJAD 0485 • Child Exploitation and Pornography Investigation
Demand • 3 Credit Hours

The course will examine legal and criminalistic concepts and procedures for the legal investigation of sexual exploitation of children and child pornography. Prerequisites: LE 100 or permission.

CJAD 0487 • Rape and Sexual Assault Investigation
Demand • 3 Credit Hours

This course is designed to prepare students to investigate rapes and sexual assaults. This course will focus on sexual abuse of nursing home residents, children and adults. In addition, this course will address issues concerning the collection of evidence at crime scenes, interviewing the suspect and the forensic examination of sexual assault victims. Prerequisites: LE 100.

CJAD 0491 • Internship in Criminal Justice
Fall, Spring & Summer • 4 Credit Hours

Extensive practical experience with a criminal justice agency, subject to individual committee approval. Prerequisites: Junior or senior standing, CJAD major, department approval, cumulative GPA 2.5 and a CJAD GPA 3.2.

CJAD 0498 • Advanced Topics in Criminal Justice Administration
Demand • 1-3 Credit Hours

A survey of current advances in the field. Precise topics to be announced. For upper division majors in CJAD or those who have completed the A.S. degree in law enforcement. Prerequisite: Permission of instructor.

CJAD 0499 • Independent Study in Criminal Justice
Fall, Spring & Summer • 1-3 Credit Hours

Individually directed study for advanced majors in area of criminal justice selected with advisor approval. Proposal must be approved by program director and school dean. Prerequisite: 3.5 GPA in major area or permission.

LAW ENFORCEMENT

FACULTY:

Hulderman - Chair, Adams, Scott, Spencer, Spurlin, Wilson

Justice Center 126 • 417-625-9302

The Associate of Science degree in Law Enforcement helps prepare students for entrance into law enforcement, a field which has become highly specialized and complex at the local, state and national levels. The University also offers the four-year Bachelor of Science degree in Criminal Justice Administration.

Missouri Peace Officer Certification

The 600-hour Missouri Peace Officer Certification is offered through Criminal Justice Administration (CJAD) and the Missouri POST (Peace Officer Standards & Training) Certified Law Enforcement Academy. Students who successfully complete the Academy and meet licensing requirements become eligible for employment as Missouri peace officers. See course descriptions.

Application/Admission/Certification

The State of Missouri requires applicants at the time of licensing to be 21 years of age, a United States citizen, have a high school diploma or its equivalent and pass the Missouri State Police Officer Licensing examination. An applicant with a criminal history must receive Missouri POST clearance before being accepted to the program. An interview with the Training Coordinator is required for admittance to the program.

Associate of Science ..... **Major Code** LE00
Law Enforcement (Option A)

General Education Requirements (p. 40)		**27-28**
Law Enforcement Requirements		37
LE 100	Introduction to Criminal Justice	3
LE 210	Criminal Procedure	3
LE 232	Ethics in Criminal Justice	3
LE 250	Criminal Law	3
LE 280	Professional Writing in Criminal Justice	3
Electives	(advisor approved LE or CJAD electives)	22
Total Hours		64-65

Associate of Science ..... **Major Code** LE01
Law Enforcement (Option B)
Basic Law Enforcement Academy

General Education Requirements (p. 40)		**27-28**
Law Enforcement Requirements		37
LE 100	Introduction to Criminal Justice	3
LE 232	Ethics in Criminal Justice	3
LE 180	Basic Law Enforcement Academy	13
LE 181	Basic Law Enforcement Academy II	13
Electives	(advisor approved LE or CJAD)	5
Total Hours		64-65

For additional information contact:
The Law Enforcement Academy
Matt Cowdin
417-625-9519 • cowdin-m@mssu.edu

COURSE DESCRIPTIONS: LAW ENFORCEMENT

LE 0100 • Introduction to Criminal Justice
Fall & Spring • 3 Credit Hours

An overview of the criminal justice system to include the roles of police, courts, and corrections with an understanding of its response to crime in society. Emphasis is placed on the delicate balance between community interests and individual rights that criminal justice decision-making requires.

LE 0180 • Basic Law Enforcement Academy
Fall & Spring • 13 Credit Hours

The pre-licensing training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri criminal law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director. (Additional lab fee for course.)

COURSE DESCRIPTIONS: LAW ENFORCEMENT (CONTINUED)

LE 0181 • Basic Law Enforcement Academy II

Fall & Spring • 13 Credit Hours

The pre-licensing training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri criminal law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director and LE 180 (Additional lab fee for course.)

LE 0200 • Crime Scene Investigation I

Fall • 3 Credit Hours

An introduction to the basic protocol of crime scene investigation to include first response, diagramming, photography, fingerprinting and the preservation and collection of physical evidence.

LE 0210 • Criminal Procedure

Spring • 3 Credit Hours

Overview of criminal justice process and procedure from first contact with law enforcement through the criminal trial. Topics include "stop and frisk", arrest, search and seizure, interrogation, identification and the criminal trial.

LE 0220 • Crime Scene Photography

Demand • 3 Credit Hours

A photography course designed to instruct the law enforcement student in the fundamentals of photography, as it relates to the documentation and investigation of crime scene evidence. This course discusses traditional photography techniques in addition to the use of digital photography for law enforcement.

LE 0225 • Patrol Procedures

Demand • 3 Credit Hours

Covers numerous areas confronting today's law enforcement officer during tours of duty and the proper techniques and procedures used in handling each area.

LE 0230 • Community Policing

Demand • 3 Credit Hours

An introduction to and analysis of theories, techniques and programs involving police image and public response. Special attention will be paid to problems of crime prevention, community oriented problem solving policing, police-public interaction and public safety.

LE 0232 • Ethics in Criminal Justice

Spring • 3 Credit Hours

Ethics in Criminal Justice is an introduction to the ethical and moral issues confronting criminal justice professionals. The course explores major philosophical frameworks and value systems. Focus is placed on recognition and analysis of practical moral issues and ethical dilemmas characterizing the modern criminal justice system with emphasis on the law enforcement, courts and corrections subsystems.

LE 0250 • Criminal Law

Fall • 3 Credit Hours

Criminal law purposes and functions; rights and duties of officers and citizens in relation to local, state and federal laws. The development, application and enforcement of laws.

LE 0260 • Legal and Technical Aspects of Firearms

Demand • 3 Credit Hours

History and development of firearms. The nomenclature of the most commonly used police firearms and the duties and requirements of a range master. The laws concerning firearms acquisitions, ownership and use. Three hours lecture per week. Lab fee and additional lab time arranged.

LE 0280 • Professional Writing in Criminal Justice

Fall • 3 Credit Hours

Introduces various methods and styles of report writing and professional communication in the criminal justice field together with use of basic report forms and follow-up reports. Prerequisites: English 101 and 102.

LE 0290 • Police Supervision and Management

Demand • 3 Credit Hours

Principles of personnel management as applied to law enforcement agencies: evaluation, promotion, discipline, training, employee welfare and problem-solving leadership.

LE 0298 • Topics in Law Enforcement

Demand • 1-3 Credit Hours

Course content varies and is designed to meet current needs and interests in the rapidly changing field of law enforcement. Precise topics to be announced and prerequisites stipulated in course syllabus.

ENGLISH

FACULTY:

Watson - Chair, Barry Brown, Joey Brown, Faulstick, Gates, Gray, Howarth, Kumbier, McSpadden, Modlin, Mouser, Rodgers & Toliver

Kuhn Hall • 417-625-9377

Mission

The mission of the Department of English and Philosophy is to cultivate reading and writing skills, critical thinking, and an appreciation of literature--thereby preparing students to succeed professionally, to participate locally and globally as productive citizens, and to live reflective, joyful lives.

The department supports the University's commitment to a strong liberal arts education by offering courses in composition, literature, and philosophy that fulfill the General Education Requirements for all Missouri Southern students. For English majors, the department offers tracks that lead to a Bachelor of Science in Education degree or to a Bachelor of Arts degree. In addition, the department supports the University's goal of preparing global citizens by offering relevant international curricula and experiences for its students, including international study opportunties.

The Bachelor of Arts in English provides an excellent preparation for graduates who plan to enter business and industry, who plan to pursue graduate studies in English and who plan to enter professional schools such as law and medicine. Graduates of this program are employed in such widely diverse occupations as human resources, advertising, publishing, sales management, law, mass communications and college teaching. English majors develop strong skills in writing organization and creativity and they develop a perception of and appreciation for the human values that grow out of the study of literature. Such skills equip English majors for success in the many different fields of employment described above and more.

The Bachelor of Arts English major at Missouri Southern comprises two major tracks. The literary studies emphasis focuses on the traditional study of literature, preparing the student for advanced study of English in graduate school, for law school and for a variety of careers in which understanding of human nature, critical thinking and oral and written communication skills are valued.

The professional/ technical writing emphasis prepares the student for more specialized careers involving writing in the workplace, such as public relations, copy writing and

editing, technical writing and desktop publishing. Both tracks require a senior capstone experience: a Senior Seminar (ENG 495) in the literary studies track or one or two internships (ENG 491) in the writing emphasis. These internships furnish the students with practical experience using writing and research skills in a workplace environment

The Bachelor of Science in Education English degree prepares students who wish to teach English/Language Arts at the secondary level (grades 9-12). The English BSE program is accredited by the National Council on Accreditation of Teacher Education (NCATE) and the Missouri Department of Elementary and Secondary Education (DESE), following the guidelines for teacher preparation of both of these organizations. Taking a prescribed set of courses in Teacher Education and in English, candidates for this degree may choose to certify to teach English as a single field (Plan B) or English plus another field (Plan A). Students who wish to certify to teach English/Language Arts in the middle school should consult the Teacher Education Program information on page 173.

The English and Philosophy Department also offers an English minor with a choice of three emphases. A minor in English with an emphasis in literature is a traditional English minor that allows students to deepen their knowledge of literature and writing. Both the minor in English with a writing emphasis and the minor in English with a creative writing emphasis are designed to develop students' writing skills and to provide them with a way to present their accomplishments to prospective employers and graduate schools. Students who wish to minor in English will arrange a coherent sequence of courses in consultation with the departmental advisor for minors. Students should choose courses on the basis of their backgrounds, their major programs and, above all, their interests.

The department offers its majors and other students opportunities to use their talents and pursue their interests through Sigma Tau Delta, our department's chapter of the national honors society, or through *bordertown,* our student-run annual magazine dedicated to publishing the creative writing of MSSU students.

General Education Requirements in Humanities and Fine Arts can be met with the courses listed on page 39 under Area F. English 101 is a prerequisite to all English courses except English 80 and 111. English 102 or 111 is a prerequisite to all 300-400 level English courses and to all writing-intensive courses in the university. The department urges all students to complete English 101 and 102 in their first two semesters.

Bachelor of Science in Education ..... **Major Code** ES12

English Major - Grades 9-12 Certification Plan A (Double Teaching Field)

General Education Requirements (p. 39) 46-47*..... 43-44
Computer Literacy Requirement
EDUC 301 Technology in Education 3
English Requirements 33
Study of the English Language
ENG 301 Introduction to English Linguistics 3
ENG 400 History of the English Language 3
Teaching of Writing
ENG 319 Teaching Writing 3
Young Adult Literature
ENG 330 Young Adult Literature 3
Advanced Writing
ENG 216 Creative Writing
OR
ENG 310 Professional Writing
OR
ENG 313 Technical Writing
OR
ENG 315 Advanced Essay Writing 3
Foundations of English Study
ENG 202 Writing and Research in English 3
Literature Core
ENG 261 or ENG 262 (World Literature) 3
ENG 271 and ENG 272 (British Literature) 6
ENG 281 and ENG 282 (American Literature) 6
Education Certification Requirements (p. 177) 47 44
Second Teaching Field (some fields exceed 30 hours) 30
Total Hours 146-149

*Three hours of literature from Area F plus the required Psychology 100 satisfy General Education Requirements.

Bachelor of Arts ..... **Major Code** EN03

English Major - Literary Studies Emphasis

General Education Requirements (p. 39) 46-47*..... 43-44
Modern Language Requirements 12
English Requirements 45
Foundations of English Study
ENG 202 Writing & Research in English 3
Study of the English Language
ENG 301 Introduction to English Linguistics
OR
ENG 400 History of the English Language 3
Advanced Writing:
ENG 310 Professional Writing 3
One course from ENG 216, 312, 313 OR 315 3
Literature Surveys: (level 200 and above, distributed as below)*
ENG 261or ENG 262 (World Literature) 3
ENG 271 and ENG 272 (British Literature) 6
ENG 281 and ENG 282 (American Literature) 6
Upper Division Literature (select 5 from the following courses)** 15
ENG 333, ENG 361, ENG 371, ENG 381, ENG 450, ENG 480
Capstone Course:
ENG 495 Senior Seminar 3
Electives **23-24**
Total Hours 124***

*One literature survey course also satisfies area F of General Education Requirements.
**ENG 361, ENG 371 and ENG 381 are special topic courses that may be taken more than once as different topics.
***Must include at least 40 Upper Division (300-400 level) hours.
The student also will need to satisfy the computer literacy requirement as determined by the English department.

Bachelor of Science in Education ..... **Major Code** ES12

English Major - Grades 9-12 Certification Plan B (Single Teaching Field)

General Education Requirements (p. 39) 46-47*..... 40-41
Computer Literacy Requirement
EDUC 301 Technology in Education 3
English Requirements 42
Study of the English Language
ENG 301 Introduction to English Linguistics 3
ENG 400 History of the English Language 3
Teaching of Writing
ENG 319 Teaching Writing 3
Young Adult Literature
ENG 330 Young Adult Literature 3
Advanced Writing
ENG 216 Creative Writing
OR
ENG 310 Professional Writing
OR
ENG 313 Technical Writing
OR
ENG 315 Advanced Essay Writing 3
Foundations of English Study
ENG 202 Writing and Research in English 3
Literature Core
ENG 261 or ENG 262 (World Literature) 3
ENG 271 and ENG 272 (British Literature) 6
ENG 281 and ENG 282 (American Literature) 6
English Electives (beyond College Composition) 9
Education Certification Requirements (p. 177) 47 44
Total Hours 129-130

*Three hours of literature meet Area F and EDUC 280 satisfy General Education Requirements.

Bachelor of Arts ..... Major Code EN04

English Major - Professional/Technical Writing Emphasis

General Education Requirements (p. 39) 46-47*..... 40-41
Modern Language Requirements..... 12
English Requirements.....42**
Foundations of English Study
ENG 202 Writing and Research in English 3
Study of the English Language
ENG 301 Introduction to English Linguistics
OR
ENG 400 History of the English Language 3
Post-Freshman Composition Writing
One course from ENG 216 or 315..... 3
Professional/Technical Writing
ENG 310 Professional Writing 3
ENG 312 Advanced Professional Writing 3
ENG 313 Technical Writing 3
Coursework in Related Disciplines
COMM 300, 305 or 360 3
Literature Core
Minimum of 3 courses chosen from
ENG 261, 262, 271, 272, 281,282..... 9
Internship with Portfolio (12)
ENG 491 Internship in English..... 3-6
English Electives
English Electives (beyond College Composition)..... 6-9
Electives 29-30
Total Hours..... 124***

*One of the literature core courses meets Area F, 3 hours of modern language meets Area I of the General Education Requirements.
**Must be beyond college composition and include at least 12 hours at the 300-400 level. English 325, Children's Literature, does not count toward the English major. The student also will need to satisfy the computer literacy requirement as determined by the English department.
***Must include at least 40 Upper Division (300 - 400 level) hours.

Minor in English - Literature Emphasis

Minor Code.....EN80

Advanced Writing..... 3
ENG 216 Creative Writing (3)
OR
ENG 310 Professional Writing (3)
OR
ENG 312 Advanced Professional Writing (3)
OR
ENG 313 Technical Writing (3)
OR
ENG 315 Advanced Essay Writing (3)
Literature 300-400 Level..... 9
English Electives (beyond College Composition)..... 9
Total Hours 21*

*Should be chosen in consultation with an advisor in the English & Philosophy department.

For additional information contact:
Department of English & Philosophy
Kuhn Hall 203
417-625-9377

Minor in English - Creative Writing

Minor Code.....EN82

English Requirements..... 9
ENG 216 Creative Writing 3
ENG 316 Creative Writing: Poetry 3
ENG 317 Creative Writing: Fiction 3
Choose one course from the following:..... 3
ENG 310 Professional Writing (3)
ENG 313 Technical Writing (3)
ENG 315 Advanced Essay Writing (3)
Choose two of the following literature courses:
ENG 261, 262, 271, 272, 281, 282, 305 6
Choose one of the following upper division literature courses:
ENG 361, 371, 381.....**3**
Total Hours 21

Minor in English - Writing Emphasis

Minor Code.....EN81

A: Six hours of College Composition..... 6
ENG 101 College Composition I (3)
AND
ENG 102 College Composition II (3)
OR
ENG 111 Advanced College Composition (6)
B: Twelve hours from the following:..... 12
ENG 216 Creative Writing (3)
ENG 310 Professional Writing (3)
ENG 312 Advanced Professional Writing (3)
ENG 313 Technical Writing (3)
ENG 315 Advanced Essay Writing (3)
ENG 316 Creative Writing: Poetry (3)
ENG 317 Creative Writing: Fiction (3)
C: Three hours in a 300-400 level writing intensive course
in the student's major 3
Total Hours 21

COURSE DESCRIPTIONS: ENGLISH

ENG 0080 • Basic Composition

Fall & Spring • 3 Credit Hours

For students with an English ACT score of 17 or less or a Writing Placement Exam (WPE) score which indicates a need for developmental composition. Students will write at least six major papers with special attention given to mechanics, grammar, syntax, paragraphing and organization. No credit toward baccalaureate degree.

ENG 0101 • College Composition I

Writing Intensive • Fall, Spring & Summer • 3 Credit Hours

An introduction to the principles of college-level writing and critical thinking. Students will write a number of essays for a variety of purposes and audiences. Successful completion of the course permits the student to enroll in English 102. Students demonstrating exceptional ability as indicated by Writing Placement scores may take English 111.

ENG 0102 • College Composition II

Writing Intensive • Fall, Spring & Summer • 3 Credit Hours

Continued development of writing skills. Emphasizes writing from sources. Initiation, development and completion of a research paper. Prerequisite: English 101.

ENG 0111 • Advanced College Composition

Writing Intensive • Fall • 3 Credit Hours

For students whose Writing Placement scores demonstrate exceptional proficiency. With a grade of 'C' or better in English 111, a student also automatically receives three hrs. credit for English 101, thereby satisfying the six hour composition requirement. Students receiving a 'D' in English 111 must take English 102.

ENG 0202 • Writing and Research in English

Fall & Spring • 3 Credit Hours

A required gateway course for English BA and BSE majors. An introduction to the aims and methods of writing and research in the discipline. Prerequisite: ENG 102 or ENG 111.

ENG 0216 • Creative Writing

Fall • 3 Credit Hours

Writing of prose, poetry and drama. A study of the writer's roles and technical approaches to literature in order to develop creative writing skills. Prerequisite: ENG 102 or ENG 111.

ENG 0250 • Introduction to Literature

Fall & Spring • 3 Credit Hours

An introduction to literary analysis and the major literary genres, including the examination of literary themes and techniques common in fiction, poetry, and drama. Prerequisite: ENG 101, or ENG 111. (Meets Area F.2 General Education requirement.)

ENG 0261 • World Literature I

Fall & Spring • 3 Credit Hours

Selected literature from the ancient world through the Renaissance, excluding British and American literature. Option for satisfying Area F General Education requirement. Prerequisite: ENG 101 or ENG 111.

ENG 0262 • World Literature II

Fall & Spring • 3 Credit Hours

Selected literature from the Renaissance to the present, excluding British and American literature. Option for satisfying Area F General Education requirement. Prerequisite: ENG 101 or ENG 111.

ENG 0271 • British Literature I

Fall & Spring • 3 Credit Hours

Survey of British literature from its beginnings through the eighteenth century. Option for satisfying Area F General Education requirement. Prerequisite: ENG 101 or ENG 111.

ENG 0272 • British Literature II

Fall & Spring • 3 Credit Hours

Survey of British literature from the Romantic Movement to the present. Option for satisfying Area F General Education requirement. Prerequisite: ENG 101 or ENG 111.

ENG 0281 • American Literature I

Fall & Spring • 3 Credit Hours

A survey of American literature from its beginning to the Civil War. Option for satisfying Area F General Education requirement. Prerequisite: ENG 101 or ENG 111.

ENG 0282 • American Literature II

Fall & Spring • 3 Credit Hours

A survey of American literature from the Civil War to the present. Option for satisfying Area F General Education requirement. Prerequisite: ENG 101 or ENG 111.

ENG 0298 • Topics in English

Demand • 1-3 Credit Hours

Studies in a variety of areas not covered in regular courses. Topic open. Prerequisite: ENG 101 or 111.

ENG 0301 • Introduction to English Linguistics

Fall • 3 Credit Hours

The scientific study of the English language, from ca. 1960 to the present, covering such topics as phonology, morphology, syntax, language acquisition, regional and social variation and usage. Prerequisite: ENG 202 or permission of instructor..

ENG 0305 • The Short Story

Fall & Spring • 3 Credit Hours

An in-depth study of the short story with representative writers from throughout the world. Option for satisfying Area F General Education requirement. Prerequisite: ENG 102 or ENG 111.

ENG 0307 • Film Perspectives

Fall • 3 Credit Hours

Study of film as a narrative medium, with emphasis on understanding the elements of film and analyzing films from a variety of perspectives. Prerequisites: ENG 102 or ENG 111.

ENG 0310 • Professional Writing

Fall • 3 Credit Hours

An advanced course focused on the writing demands of professional occupations. Prerequisite: ENG 102 or ENG 111.

ENG 0312 • Advanced Professional Writing

Spring • 3 Credit Hours

A continuation of ENG 310, this course covers the types of on-demand writing done by professional and technical writers. The course includes job search and self-promotion strategies required of such writers. Emphasis is on writing with technology. Coursework will include writing for websites and other media, analyses of professional models and compiling a professional writing portfolio. Prerequisites: ENG 310 or permission of instructor.

ENG 0313 • Technical Writing

Spring • 3 Credit Hours

An advanced course focused on the practical demands of on-the-job writing, designed primarily for upper-level students preparing for careers in science, technology or social science. Prerequisite: ENG 102 or ENG 111.

ENG 0315 • Advanced Essay Writing

Spring • 3 Credit Hours

An advanced course in the principles of prose style, focusing on the academic essay. Recommended for all students, especially those entering the professions or aspiring to become writers. Prerequisite: ENG 102 or ENG 111.

ENG 0316 • Creative Writing: Poetry

Spring (Odd) • 3 Credit Hours

An advanced course in the writing of poetry, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: ENG 102 or ENG 111 and ENG 216 or permission of instructor.

COURSE DESCRIPTIONS: ENGLISH (CONTINUED)

ENG 0317 • Creative Writing: Fiction

Spring (Even) • 3 Credit Hours

An advanced course in the writing of fiction, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: ENG 102 or ENG 111 and ENG 216 or permission of instructor.

ENG 0319 • Teaching Writing in the Middle and Secondary School

Fall • 3 Credit Hours

For prospective teachers of English. Composition theory and pedagogy. Prerequisite: ENG 102 or ENG 111.

ENG 0325 • Children's Literature

Fall & Spring • 3 Credit Hours

A reading, lecture and observation course for elementary education students, including evaluation of children's literature, its historical development and its uses in the elementary school. Does not satisfy Area F General Education requirements. Does not satisfy English BA and secondary English BSE requirements. Prerequisite: ENG 102 or ENG 111.

ENG 0330 • Young Adult Literature

Spring • 3 Credit Hours

An extensive reading course for English education majors including evaluation of literature for young adults, some methodology for classroom use and a major unit on minority literature. Does not satisfy Area F General Education requirement. Prerequisite: ENG 102 or ENG 111.

ENG 0333 • Literary Paris

Demand • 3 Credit Hours

An examination of the historic role of Paris in literary production and of the literature produced in this city. Emphasis will be placed upon the city as a locus for the literary productions that shape American, British and World literatures. Coursework will include a practical orientation to the city, an introduction to French culture and an in-depth examination of some of those authors whose work was shaped by Parisian experiences. The course includes a mandatory trip to Paris. Enrollment by permission of instructor. Prerequisite: ENG 202 or permission of instructor. Co-requisite: FREN 101 or previous French language experience as determined by the instructor.

ENG 0361 • Studies in World Literature

Fall & Spring • 3 Credit Hours

A course enabling concentrated study of carefully focused topics in world literature through critical reading and discussion of, and writing about, a range of world literary texts, primarily texts in translation. Content of any particular course offering to be determined by instructors' proposals, subject to review by the departmental World Literature Committee and approval by the departmental Curriculum Committee. May be retaken as different topics for a maximum of 12 credit hours. Prerequisites: ENG 202 or permission of instructor.

ENG 0371 • Studies in British Literature

Fall & Spring • 3 Credit Hours

A course enabling concentrated study of carefully focused topics in British literature through critical reading and discussion of, and writing about, a range of British literary texts. Content of any particular course offering to be determined by instructors' proposals, subject to review by the departmental British Literature Committee and approval by the departmental Curriculum Committee. May be retaken as different topics for a maximum of 12 credit hours. Prerequisites: ENG 202 or permission of instructor.

ENG 0381 • Studies in American Literature

Fall & Spring • 3 Credit Hours

A course enabling concentrated study of carefully focused topics in American literature through critical reading and discussion of, and writing about, a range of American literary texts. Content of any particular course offering to be determined by instructors' proposals, subject to review by the departmental American Literature Committee and approval by the departmental Curriculum Committee. May be retaken as different topics for a maximum of 12 credit hours. Prerequisites: ENG 202 or permission of instructor.

ENG 0400 • History of the English Language

Spring • 3 Credit Hours

A study of the ancestors of Modern English and the effect of other languages, peoples and cultures upon the development of English. Phonology, morphology, syntax and usage of the language throughout its history. Prerequisite: ENG 202 or permission of instructor.

ENG 0450 • Shakespeare

Fall • 3 Credit Hours

A study of selected comedies, histories, tragedies, romances and poems. Prerequisite: ENG 202 or permission of instructor.

ENG 0480 • Literary Theory and Criticism

Spring (Odd) • 3 Credit Hours

A study of major schools of criticism and the major representatives of each school. Prerequisite: ENG 202 or permission of instructor.

ENG 0491 • Internship in English

Fall, Spring & Summer • 1-8 Credit Hours

Practical experience using writing skills in a professional environment. All internships must conform with MSSU institutional policy regarding the number of hours work per credit and contractual agreements with cooperating facility. 3-hour internships may be repeated. Prerequisites: ENG 102 or ENG 111; advanced standing with a GPA of 3.0 and approval of a departmental committee.

ENG 0495 • Senior Seminar

Fall • 3 Credit Hours

Intensive study of one or more literary authors, genres and/or historical periods, culminating in a substantial research paper. Topic open. Prerequisite: ENG 202 or permission of instructor. Required of senior English Literary Studies majors or an option for others by permission of department head.

ENG 0498 • Advanced Topics in English

Demand • 1-3 Credit Hours

For advanced English majors or by permission of department head. Topic open. Prerequisite: ENG 202 or permission of instructor.

ENG 0499 • Independent Study

Demand • 1-3 Credit Hours

Individually directed study in selected areas for advanced English majors. Prerequisite: ENG 102 or ENG 111; and a GPA of 3.0 in English. Enrollment must be approved by advisor, department head and school dean.

ENVIRONMENTAL HEALTH AND SAFETY

FACULTY:

Fletcher - Director, Kennedy
Reynolds Hall 313A • 417-625-9765

Mission

Our Mission is to provide students the knowledge, skills and credentials necessary to work as an environmental health and safety professional or to continue in environmental health and safety graduate studies. Environmental Health is the science of preventing physical, chemical or biological hazards from adversely impacting human health or the ecological balances that sustain our environment. Safety is the control of hazards to an acceptable level. Career opportunities include professional positions with public health departments, environmental protection agencies, environmental consultants and occupational health and safety divisions of industry.

The BS degree program is fully accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC). We provide the option of either an on campus track or a distance learning track to obtain the BS degree in Environmental Health and Safety (EHS). Major codes are EH02 on campus track or EH04 distance track. Minor and certificate options are also available.

Certificate in Environmental Health and Safety General Emphasis

Certificate Code.....EH84

Required Courses		13-16
CIS 105	Intro to Microcomputer Use*	3
EH 101 or BIO 101 or BIO 110 or BIO 121		4
ENG 101	College Composition I	3
ENG 102	College Composition II	3
EH 370	Environmental Health & Safety	3
Environmental Health Electives		15
Any Environmental Health courses (except EH101, 379, 495, 499)		
Total Hours		28-31

A Chemistry course is recommended.
* Or Proof of proficiency in computer usage of Microsoft Word, Excel, and PowerPoint.

Certificate in Environmental Health and Safety Environmental Biology Emphasis

Certificate Code.....EH85

Required Courses		21-24
CIS 105	Intro to Microcomputer Use*	3
EH 101 or BIO 101 or BIO 110 or BIO 121		4
ENG 101	College Composition I	3
ENG 102	College Composition II	3
EH 312	Environmental Biology	4
EH 370	Environmental Health & Safety	3
EH 375	Disease Vector Control	1
EH 380	Epidemiology	3
Environmental Health Electives		7
Any Environmental Health courses (except EH101, 379, 495, 499)		
Total Hours		28-31

A Chemistry course is recommended.
* Or Proof of proficiency in computer usage of Microsoft Word, Excel, and PowerPoint.

Certificate in Environmental Health and Safety Health Protection Emphasis

Certificate Code.....EH86

Required Courses		21-24
CIS 105	Intro to Microcomputer Use*	3
EH 101 or BIO 101 or BIO 110 or BIO 121		4
ENG 101	College Composition I	3
ENG 102	College Composition II	3
EH 370	Environmental Health & Safety	3
EH 375	Disease Vector Control	1
EH 380	Epidemiology	3
EH 382	Epidemiological Statistics	1
	AND	
EH 377	Food Safety	
	OR	
EH 378	Occupational Health & Safety	3
Environmental Health Electives		7
Any Environmental Health courses (except EH101, 379, 495, 499)		
Total Hours		28-31

A Chemistry course is recommended.
* Or Proof of proficiency in computer usage of Microsoft Word, Excel, and PowerPoint.

Certificate in Environmental Health and Safety Safety and Hazard Prevention Emphasis

Certificate Code.....EH87

CIS 105	Intro to Microcomputer Use*	3
EH 101 or BIO 101 or BIO 110 or BIO 121		4
ENG 101	College Composition I	3
ENG 102	College Composition II	3
EH 370	Environmental Health & Safety	3
EH 373	Solid & Hazardous Waste Management	3
EH 378	Occupational Health & Safety	3
EH 410	Hazardous Incident Management.	1
EH 411	Hazardous Material Safety.	2
EH 481	Risk Management	3
	AND	
EH 371	Environmental Toxicology	
	OR	
EH 372	Environmental Regulations	
	OR	
EH 374	Air Quality Management	3
Total Hours		28-31

A Chemistry course is recommended.
* Or proof of proficiency in computer usage of Microsoft Word, Excel, and PowerPoint.

For Environmental Health & Safety Program Accreditation Information Contact:
The National Environmental Health Science & Protection Accreditation Council (EHAC)
PO Box 66057 • Burien, WA 98166
206.522.5272 • Fax: 206.985.9805
ehacinfo@aehap.org

Bachelor of Science.....Major Code EH02 or EH04 (Distance Learning Track)

Environmental Health and Safety Major

Total minimum credit hours 124

The following four (4) requirements (General Education, EHAC Basic Science & Math, EHS Semester Block Courses, and Electives must be met for either the on campus track or the distance learning track to earn the BS degree in EHS:

1) General Education Requirements (GER) of MSSU must be met for either track:

On campus students, total GER hours: 47
On campus GER, not including the 12 hours of the basic science & math courses 35

Distance students must earn the equivalent of MSSU on campus GER courses. Most GER courses are available from MSSU by distance learning with the exception of chemistry or physics

2) EHAC Basic Science & Math Requirements must be met for either track, the minimum hours include:

- Biology with laboratory - at least 3 semester hours, 5 quarter hours.
- Microbiology with laboratory at least 3 semester hours, 5 quarter hours
- General Chemistry with laboratories – at least a total of 6 semester hours or 10 quarter hours
- Organic Chemistry with laboratory – at least a total of 3 semester hours or 5 quarter hours.
- Physics – at least 3 semester hours or 5 quarter hours.
- Additional Basic Science – (at least 6 semester hours or 10 quarter hours), basic sciences must total at least 24 hours
- College Algebra (at least 3 hours or 5 quarter hours) or higher level

This list of basic science and math courses is subject to periodic change by EHAC. The EHAC requirements may all be met with lower division courses.

EHAC Basic Science & Math for the on campus student may be met by, hours: 34-35

BIO/EH 101	General Biology	4
	OR	
BIO 110	Principles of Biology 1	4
	OR	
BIO 121	Human Anatomy & Physiology 1	4
BIO 231	General & Medical Microbiology	5
CHEM 151	General Chemistry 1	5
CHEM 152	General Chemistry 2	5
CHEM 301	Organic Chemistry 1	5
	OR	
CHEM 310	Environmental Organic Chemistry	5
PHYS 150	Environmental Physics	5
	OR	
PHYS 151	Elementary College Physics 1	5
MATH 140	College Algebra AND Trigonometry	5
	OR	
MATH 130	College Algebra AND MATH 135 Trigonometry*	6

EHAC Basic Science & Math for the distance student may be met by, minimum hours: .....24+

EHAC required science and math courses may be taken at a nearby college / university campus or by distance learning. The student should email the MSSU EHS Director prior to enrollment to determine if the course meets EHAC requirements. MSSU currently offers the following basic science and math courses by distance learning: Bio/EH 101 General Biology, Math 130 College Algebra and Math 135 Trigonometry.

3) Environmental Health & Safety Semester Block Course Requirements are met by either on campus or distance track hours: 45

On Campus Track, hours: 45
EH Semester Block 1 (Fall Even) ..... 10 cr. hrs. total
EH 376 Water Quality Management 3
EH 373 Solid & Hazardous Waste Mgmt. 3
EH 374 Industrial Hygiene Sampling & Management 3
EH 375 Disease Vector Control 1
EH Semester Block 2 (Spring Odd) ..... 11 cr. hours total
EH 410 Hazardous Incident Management 1
EH 370 Environmental Health & Safety 3
EH 481 Environmental Risk and Safety Management 3
EH 379 Career Planning for EHS 1
EH 380 Epidemiology 3
EH Semester Block 3 (Fall Odd) ..... 12 cr. hours total
EH 378 Occupational Health & Safety 3
EH 411 Hazardous Material Safety 2
EH 377 Food Safety 3
EH 311 Soil Morphology & Sewage Systems 3
EH 382 Epidemiological Statistics 1
EH Semester Block 4 (Spring Even) ..... 10 cr. hrs. total
EH 371 Environmental Toxicology 3
EH 372 Environmental Regulations 3
EH 312 Environmental Biology 4
EH 495 Field Experience in EH & Safety, any semester 2

Distance Track, hours: 45
EH Semester Block 1 (Fall, Even) ..... 12 cr. hrs. total
EH 370 Environmental Health & Safety** 3
EH 377 Food Safety 3
EH 378 Occupational Health & Safety 3
EH 380 Epidemiology** 3
EH Semester Block 2 (Spring, Odd) ..... 11 cr. hrs. total
EH 371 Environmental Toxicology 3
EH 373 Solid & Hazardous Waste Management 3
EH 375 Disease Vector Control 1
EH 376 Water Quality Management 3
EH 382 Epidemiology Statistics 1
EH Semester Block 3 (Fall, Odd) ..... 10 cr. hours total
EH 312 Environmental Biology 4
EH 372 Environmental Regulations 3
EH 374 Industrial Hygiene Sampling & Management 3
EH Semester Block 4 (Spring, Even) ..... 10 cr. hours total
EH 311 Soil Morphology & Sewage Systems 3
EH 481 Environmental Risk and Safety Management 3
EH 411 Hazardous Material Safety 2
EH 410 Hazardous Incident Management 1
EH 379 Career Planning for EHS 1
EH 495 Field Experience in EH & Safety, any semester 2

4) Elective Courses (additional hours to attain the total of 124 credit hours for the degree)

Elective courses should complement the needs of an EHS professional or graduate school. See your EHS advisor for suggestions on elective courses.

On Campus student elective hours 9-10

Distance student elective hours will vary depending upon the number of hours needed to obtain the GER and EHAC basic science & math requirements.

*Required to get into MSSU CHEM 151 & PHYS 150 or 151. **EH 370 and EH 380 are taught each fall and spring semester, either on campus and/or by distance; EH 370 is taught each summer semester by distance

Minor in Environmental Health and Safety General Emphasis (Non-EHS Majors)

Minor Code.....EH80

Required Courses		3
EH 370	Environmental Health & Safety	3
Environmental Health Electives		15
Any Environmental Health courses (EXCEPT EH 101, 379, 495 & 499)		
Total Hours		18

Minor in Environmental Health and Safety Environmental Biology Emphasis (Non-EHS Majors)

Minor Code.....EH81

Required Courses		11
EH 312	Environmental Biology	4
EH 370	Environmental Health & Safety	3
EH 375	Disease Vector Control	1
EH 380	Epidemiology	3
Environmental Health Electives		7
Any Environmental Health courses (EXCEPT EH 101, 379, 495 & 499)		
Total Hours		18

Minor in Environmental Health and Safety Health Protection Emphasis (Non-EHS Majors)

Minor Code.....EH82

Required Courses		11
EH 370	Environmental Health & Safety	3
EH 375	Disease Vector Control	1
EH 380	Epidemiology	3
EH 382	Epidemiological Statistics	1
	AND	
EH 377	Food Safety	
	OR	
EH 378	Occupational Health & Safety	3
Environmental Health Electives		7
Any Environmental Health courses (EXCEPT EH 101, 379, 495 & 499)		
Total Hours		18

Minor in Environmental Health and Safety Safety and Hazard Prevention Emphasis (Non-EHS Majors)

Minor Code.....EH83

Required Courses		15
EH 370	Environmental Health & Safety	3
EH 373	Solid & Hazardous Waste Management	3
EH 378	Occupational Health & Safety	3
EH 410	Hazardous Incident Management.	1
EH 411	Hazardous Material Safety.	2
EH 481	Risk Management	3
	AND	
EH 371	Environmental Toxicology	
	OR	
EH 372	Environmental Regulations	
	OR	
EH 374	Air Quality Management	3
Total Hours		18

COURSE DESCRIPTIONS: ENVIRONMENTAL HEALTH & SAFETY

F = Fall, S = Spring, Su = Summer, E = Even Year, O = Odd Year, OC = On Campus, DL = Distance Learning

EH 0101 • General Biology

Fall & Spring • 4 Credit Hours

A survey of general biological principles that emphasize concepts relevant to the student. Special topics may be used to illustrate course content. Three one-hour lectures, one two-hour laboratory per week. Fulfills General Education requirements for Area D. Does not fulfill biology major requirements. Cross listed as BIO 101 when taught with environmental health emphasis. BIO 101 or EH 101 fulfills the environmental health major general biology requirement. Cross listed as BIO 101.

EH 0211 • HAZWOPER

Demand • 3 Credit Hours

This course is designed to complete the U.S. Occupational Health and Safety Administration (OSHA) regulatory requirements (29 CFR 1910.120) for working at or on Hazardous Waste Cleanup and Generation Facilities. This course exceeds the requirements of the 40-hour "Hazardous Waste Operations and Emergency Response" (HAZWOPER) as required by OSHA regulation for individuals working on an uncontrolled hazardous waste site. Students who successfully complete this course will be awarded certificates of completion. Prerequisite: Instructor permission required.

EH 0298 • Topics in Environmental Health & Safety

Demand • 1-5 Credit Hours

Designed to give instruction in some discipline of environment health not covered in other courses. Prerequisites to be determined by the department.

EH 0300 • Environmental Geology

Spring (O) • 3 Credit Hours

An introduction to our relationship to the earth's environment. The limitations of natural resources and discussion of consequences of the exploitation of natural resources are considered along with the demands of humanity upon the environment. Overview of natural environmental hazards, including volcanoes, earthquakes, subsidence landslides, floods and asteroid impacts. Prerequisite: Five credit hours in physical science, physics and/or chemistry. Cross-listed as GEOL 300.

EH 0304 • Introduction to Geographic Information Systems

Fall (O) • 3 Credit Hours

Geographic Information Systems, GIS, involves the study of spatial (geographic) location of features on the Earth's surface and the relationships between them. The goal of this course is to introduce students to the principles of cartography and GIS as they are used to analyze spatial aspects of society and the human and physical environments. Particular attention will be focused on ecology, environmental health, and related fields Prerequisites: GEOG 101 or GEOG 211 and completion of D1 and D2 area of General Education Requirements. Cross-listed as BIO 304 and GEOG 304.

EH 0311 • Soil Morphology and Sewage Systems

Fall (O) OC, Spring (E) DL • 3 Credit Hours

Concepts, methods, and practices useful to the environmental health professional for soil morphology and site assessment leading to the proper design of residential sewage treatment systems. Two hours of lecture and two hours of field and/or laboratory activities are required per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0312 • Environmental Biology

Spring (E) OC & Fall (O) DL • 4 Credit Hours

Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one two hour lab per week. Prerequisites: BIO 101 or 105 or 112 or 121 or 122 or EH 101. Cross-listed as BIO 312.

COURSE DESCRIPTIONS: ENVIRONMENTAL HEALTH & SAFETY (CONTINUED)

EH 0352 • International Environmental Health

Demand • 3 Credit Hours

An in-depth study of environmental health issues in countries other than the United States of America. The approach of this course is to select a country to be studied and review the pertinent environmental health issues. Environmental health issues common to many countries, as well as issues that are unique to the selected country will be studied. The environmental health issues of the selected country will be studied in class and followed up with an extended field trip usually lasting about two weeks. Prerequisites: EH 312. Priority given to EH majors.

EH 0370 • Environmental Health and Safety

Fall, Spring & Summer • 3 Credit Hours

A survey of environmental health and safety issues, problems and protection measures, including public health disease prevention, injury prevention and environmental health hazard mitigation. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross-listed as BIO 370 and HS 370.

EH 0371 • Environmental Toxicology

Spring (E) OC, Spring (O) DL • 3 Credit Hours

This course is an introduction to natural and manmade toxicants and their effects on public health and the environment. Toxicological effects ranging from the molecular level to the ecological level will be discussed. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0372 • Environmental Regulations

Spring (E) OC, Fall (O) DL • 3 Credit Hours

A study of the regulations needed by environmental health professionals that work in the fields of environmental protection, environmental compliance or public health and safety. Three hours of lecture per week. Prerequisite: BIO 101 or BIO 105 or BIO 110 or BIO 121 or CHEM 151.

EH 0373 • Solid and Hazardous Waste Management

Fall (E) OC, Spring (O) DL • 3 Credit Hours

Introduction to the problems and potential solutions related to the generation, disposal, recycling, reuse, and prevention of solid and hazardous wastes. Emphasis will be on solid and hazardous waste management for a sustainable society. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0374 • Industrial Hygiene Sampling and Management

Fall (E) OC, Fall (O) DL • 3 Credit Hours

Air sampling strategy, air sampling techniques, air quality assessment and management for environmental and occupational health. Includes instrument calibration and air quality monitoring to assess exposures from chemical, physical, radiological and biological hazards. Three hours of lecture per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0375 • Disease Vector Control

Fall (E) OC, Spring (O) DL • 1 Credit Hour

Identification and control of organisms that serve as reservoirs and vectors of diseases to humans. One hour of lecture per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross listed as BIO 375.

EH 0376 • Water Quality Management

Fall (E) OC, Spring (O) DL • 3 Credit Hours

Concepts, methods and practices for water quality management, water treatment, wastewater treatment, storm-water management, recreational water management and remediation of groundwater for the protection of the environment and public health. Two hours of lecture and 2 hours of lab/field work per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0377 • Food Safety

Fall (O) OC, Fall (E) DL • 3 Credit Hours

The concepts, methods, practices, and regulations that help ensure a safe food supply. This information is useful for the environmental health professional working as a health agency regulator or as a quality control agent in the food industry. Two hrs. of lecture, two hrs. of lab/field work per week. Prerequisites: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0378 • Occupational Health and Safety

Fall (O) OC, Fall (E) DL • 3 Credit Hours

An introduction to the concepts, principles, and methods generally employed by industrial health and safety officers in the performance of their duties. This course is intended to provide students the classroom background to begin preparation for professional certification in safety. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0379 • Career Planning for Environmental Health & Safety

Spring (O) OC, Spring (E) DL • 1 Credit Hour

A survey of the various professions, certifications and organizations associated with the field of environmental health and safety. The student will plan for a successful internship and career as an environmental health and safety professional. One lecture per week. Prerequisites: EH 370 and Environmental Health major.

EH 0380 • Epidemiology

Fall & Spring • 3 Credit Hours

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease outbreaks. Three hours of lecture per week. Prerequisites: BIO 101 or 105 or 110 or 121. Cross-listed as BIO 380 and HS 380.

EH 0382 • Epidemiological Statistics

Fall (O) OC, Spring (O) DL • 1 Credit Hour

The continuation of EH/BIO 380 Epidemiology by the further introduction of statistical methods that are useful in the analysis of disease outbreak or injury data. One hour of lecture per week. Prerequisite: BIO/EH/HS 380 or concurrent enrollment.

EH 0404 • Applications in Geographic Information Systems

Spring • 3 Credit Hours

The goal of this course is to allow students to apply skills in spatial analysis to an advanced research problem in the social or physical sciences. Students will engage in all aspects of a GIS project. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital maps. Particular attention will be focused on advanced applications in ecology, environmental health, and related fields Prerequisites: GEOG 304 or instructor approval. Cross-listed as BIO 404 and GEOG 404.

EH 0410 • Hazardous Incident Management

Spring (O) OC, Spring (E) DL • 1 Credit Hour

Knowledge will be gained regarding the identification of, preparation for, and response to environmental health emergency situations. Emergency situations discussed will include environmental contamination by hazardous materials, hazardous waste, chemical incidents, radiological emergencies, and bioterrorism. Environmental health emergency management systems will be covered. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0411 • Hazardous Material Safety

Fall (O) OC, Spring (E) DL • 2 Credit Hours

This course provides information regarding the identification of hazardous materials and their potential impact on human health, safety and the environment. The material in this course will enable managing hazardous materials in ways to provide worker safety, protect health and protect the environment. Prerequisite: BIO/EH 101 or BIO 110 or BIO 121 or BIO 105. A chemistry course is recommended.

EH 0480 • Environmental Epidemiology

Demand • 3 Credit Hours

The study of the distribution and determinants of health-related states or events in specified populations that are influenced by physical, biological, chemical, and psychosocial factors in the environment. Both communicable and non-communicable diseases associated with environmental factors will be studied. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course and EH 380 are recommended.

EH 0481 • Environmental Risk and Safety Management

Spring (O) OC, Spring (E) DL • 3 Credit Hours

The concepts, principles, methods, and techniques useful to the environmental health professional in risk assessment, risk management, and risk communications for the protection of the environment, the public safety, and the public health. Three hours of class per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.

EH 0495 • Field Experience in Environmental Health & Safety

Fall, Spring or Summer • 1-4 Credit Hours

Field experience in compliance with the Environmental Health Accreditation Council (EHAC) requirements to provide an opportunity to observe and practice environmental health and safety concepts in a real-world setting. A proposal between the student and the cooperating facility/organization must be submitted for approval to the EHS Program Director prior to the semester of enrollment. The field experience must take place in the semester of enrollment. Each credit hour requires 90 work hours. A minimum of 2 credit hours (180 work hours) is required prior to graduation. Prerequisite: Environmental Health & Safety major with at least 10 credit hours of EH courses and approval of EHS Program Director, Department Chair and School Dean as needed.

EH 0498 • Special Topics in Environmental Health & Safety

Demand • 1-5 Credit Hours

Designed to give instruction in some discipline of environment health not covered in other courses. For upper division majors. Prerequisites to be determined by department.

EH 0499 • Independent Study in Environmental Health and Safety

Demand • 1-6 Credit Hours

Under faculty supervision, the student will perform in-depth research and report on a specific topic from the field of environmental health and safety that has not been covered sufficiently in a current course. Prerequisites: Environmental Health major and 12 hours in EH or permission.

MSSU Environmental Health & Safety Faculty contacts for the Environmental Health & Safety Degree:

Dr. Mike Fletcher, Program Director
417-625-9765 • fletcher-m@mssu.edu

Michael Kennedy
417-625-9857 • kennedy-m@mssu.edu

GEOGRAPHY



FACULTY:

Wells-Lewis - Interim Chair, Davenport, Smith
Webster Hall 236 • 417-625-3008

Mission

Preparing students for dynamic leadership and responsible citizenship is the mission of the Department of Social Sciences. The department provides students with the opportunity to cultivate critical thinking, communication and technological skills that will continue to be of value in the complex world of the 21st century. The faculty offers substantive instruction and intellectual challenge within the Social Sciences. The department emphasizes opportunities to engage in the international world in support of the University's international mission. Finally, the Department of Social Sciences builds bridges to the local community through academic internships, public events, partnerships with local institutions and sponsorship of academic programs and events for local schools' students and teachers.

Geography is concerned with the spatial dimension of human experience, namely, space and place. As an integrative discipline, it brings together the physical and human dimensions of the world in the study of people, places and environments. A major in Geography provides students with rigorous preparation for the workplace or for graduate education by providing a balance among the physical science, social science, and computer information science subfields. Career avenues available to geographers include work in city planning offices and in other local, county, state, and federal governmental agencies that utilize geospatial data. Additionally, graduates of the program are prepared for areas of employment that have an international focus, such as the Peace Corps or the Foreign Service. Further opportunities for employment include work with the National Park Service, Bureau of Land Management, and state departments of conservation. The Geography Program also has a strong track record in preparing students for graduate study in geography, public health, and urban planning.

The minor in Geography emphasizes topical and regional studies, complementing programs of study for students majoring in International Studies, History, Political Science and Sociology, among other fields of study.
The minor in Spatial Analysis provides an opportunity for students majoring in areas of Business, Biology and Environmental Health, Criminal Justice, Computer Information Science, and Communications to enhance their skill sets in a growing area of information science.

Minor in Geography

Minor Code.....GE80

Required		**3**
GEOG 101	Introduction to Geography	3
GEOG Electives	15 additional hours	**15**
Total		**18**

Minor in Geography - Spatial Analysis

Minor Code.....GE83

GEOG 101	Introduction to Geography	3
MGMT 237	Using Information Systems	3
CIS 305	Microcomputer Applications	3
GEOG 304	Introduction to Geographic Systems	3
GEOG 404	Applications in Geographical Info Systems	3
SOC/PSC 305	Social Science Statistics	3
Total		**18**

Bachelor of Arts ..... Major Code GE00
Geography

General Education Requirements (p. 39) 46-47*..... 39-40
Modern Language (12 hours in one language)..... **12**
Geography Requirements..... 39
GEOG 101 Introduction to Geography 3
GEOG 111 World Regional Geography 3
GEOL 185 Introduction to Meteorology* 4
GEOG/GEOL 201 Physical Geography* 4
BIO/EH/GEOG 304 Intro to Geographic Information Systems 3
GEOG 310 or GEOG 301 3
PSC/SOC 401 Social Science Methods 3
PSC/SOC 405 Social Science Statistics 3
GEOG 490 Senior Capstone 1
Electives: Choose from the following totaling six (6) hours 6
GEOG 298/498 Topics in Geography (3)
GEOG/INTS 302 Environment and Society (3)
GEOG 311 Geopolitics: Power & Conflict in a Global Context (3)
BIO/EH/GEOG 404 Applications in Geographic Info Systems (3)
GEOG 422 Geography of the United States (3)
GEOG 457 Urban Geography (3)
GEOG 491 Internship in Geography (1-3)
GEOG 499 Independent Study (1-3)
Choose two different prefixes from the following 6
ANTH 342 Comparative Cultures (3)
ANTH 370 Globalization and Native Peoples (3)
GEOL 300 Environmental Geology (3)
PSC 423 Globalization and Development (3)
SOC 361 Social Demography (3)
Or other courses as approved by academic advisor
Electives and/or minor 33-34
Total Hours..... 124

*GEOL 185 or GEOG/GEOL 201 meet Gen. Ed. area D2, 3 hours of foreign language meet area I.

Bachelor of Science ..... Major Code GE01
Geography

General Education Requirements (p. 39) 46-47*..... 42-43
Geography Requirements..... 48
GEOG 101 Introduction to Geography 3
GEOG 111 World Regional Geography 3
GEOL 185 Introduction to Meteorology* 4
GEOG/GEOL 201 Physical Geography* 4
BIO/EH/GEOG 304 Intro to Geographic Information Systems 3
GEOG 310 or GEOG 301 3
PSC/SOC 401 Social Science Methods 3
PSC/SOC 405 Social Science Statistics 3
GEOG 490 Senior Capstone 1
Electives: Choose from the following totaling six (6) hours 6
GEOG 298/498 Topics in Geography (3)
GEOG/INTS 302 Environment and Society (3)
GEOG 311 Geopolitics: Power & Conflict in a Global Context (3)
BIO/EH/GEOG 404 Applications in Geographic Info Systems (3)
GEOG 422 Geography of the United States (3)
GEOG 457 Urban Geography (3)
GEOG 491 Internship in Geography (1-3)
GEOG 499 Independent Study (1-3)
Choose two different prefixes from the following 6
ANTH 342 Comparative Cultures (3)
ANTH 370 Globalization and Native Peoples (3)
GEOL 300 Environmental Geology (3)
PSC 423 Globalization and Development (3)
SOC 361 Social Demography (3)
Or other courses as approved by academic advisor
Science, Computer Science or Math** 9
Electives and/or minor 33-34
Total Hours..... 124

*GEOL 185 or GEOG/GEOL 201 meet Gen. Ed. area D2.
**Includes courses from: BIO, CHEM, MATH, GEOL, EH, PHYS and CIS.

COURSE DESCRIPTIONS: GEOGRAPHY

GEOG 0101 • Introduction to Geography
Demand • 3 Credit Hours

An introduction to geography, with the goal of increasing geographic literacy and recognizing the importance of geography in everyday life. This course introduces students to the discipline, its basic principles and major concepts, tools, techniques and methodological approaches. It traces the development of modern geography and surveys its physical and human sub-disciplines.

GEOG 0111 • World Regional Geography
Fall & Spring • 3 Credit Hours

Survey of the peoples of the earth and how their activities are influences by climate, topography, natural resources, and culture with class time devoted to discussion of important topical areas in each region.

GEOG 0201 • Physical Geography
Fall & Spring • 4 Credit Hours

Study of the physical or natural aspects of man's environment with emphasis on landform development, oceanographic features, climate variation, and human impacts on the planet's geography. Three hours lecture, one two-hour lab per week. Prerequisite: MATH 30 or higher level mathematics or Math ACT of 22 or higher. Cross-listed as GEOL 201.

GEOG 0298 • Topics in Geography
Demand • 3 Credit Hours

Special geography topics of current interest. Subjects and instructors are changed each semester. Students are encouraged to submit areas of interest to the Social Science Department.

GEOG 0301 • GIS for Social & Political Analysis
Demand • 3 Credit Hours

The goal of this course is to introduce students to mapping as it is used to engage the spatial aspects of society, culture, and politics. Students will participate in all aspects of a GIS project. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital maps. Prerequisites: junior standing or consent of instructor.

GEOG 0302 • Environment and Society
Demand • 3 Credit Hours

An examination of social causes and consequences of environmental problems in different regions of the world with an emphasis on philosophical perspectives and practical solutions to such problems. Prerequisites: junior standing or consent of instructor.

GEOG 0304 • Introduction to Geographic Information Systems
Demand • 3 Credit Hours

Geographic Information Systems, GIS, involves the study of spatial (geographic) location of features on the Earth's surface and the relationships between them. The goal of this course is to introduce students to the principles of cartography and GIS as they are used to analyze spatial aspects of society and the human and physical environments. Particular attention will be focused on ecology, environmental health, and related fields Prerequisites GEOG 101 or GEOG 111 and completion of D1 and D2 area of General Education Requirements. Cross-listed as BIO 304 and EH 304.

GEOG 0310 • Human Geography

Demand • 3 Credit Hours

This course focuses on spatial approaches to understanding the ongoing organization and reorganization of human cultural, economic, political and urban activates at various spatial scales, such as the local context, regional context and the international context. Prerequisite: Junior standing or consent of instructor.

GEOG 0311 • Geopolitics: Power and Conflict in a Global Context

Demand • 3 Credit Hours

Geographic factors that have influenced international relations and the policies of states as political units. Emphasis on geopolitics, religion, racial and ethnic groupings and other factors that may contribute to unity or disunity. Prerequisite: Junior Standing.

GEOG 0404 • Applications in Geographic Information Systems

Demand • 3 Credit Hours

The goal of this course is to allow students to apply skills in spatial analysis to an advanced research problem in the social or physical sciences. Students will engage in all aspects of a GIS project. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital maps. Particular attention will be focused on advanced applications in ecology, environmental health, and related fields Prerequisites: GEOG 304 or instructor approval. Cross-listed as BIO 404 and EH 404.

GEOG 0410 • Natural Hazards and Diasters

Spring (Even) • 3 Credit Hours

This course focuses on the geologic and atmospheric forces that give rise to environmental disasters and the ways in which societies adapt to hazardous conditions. Specific focus will be given to how societies recover from crisis and disaster both in the short and long terms along with an examination of the conditions that lead to vulnerability to disasters and disaster risk assessment. Prerequisite: Junior Standing or Consent of Instructor.

GEOG 0422 • Geography of the United States

Demand • 3 Credit Hours

Geographic analysis of the United States with emphasis on regional variations in social, economic, and physical phenomena and how those variations influence the overall national character of the United States. Prerequisite: Junior Standing or GEOG 101 or GEOG 111 or consent of instructor.

GEOG 0457 • Urban Geography

Demand • 3 Credit Hours

Analysis of the characteristic pattern of urban space, spatial organization of urban settlement and urban societies. Prerequisite: Junior standing.

GEOG 0490 • Senior Capstone

Fall & Spring • 1 Credit Hour

For senior geography majors. As summative component of the degree, this course requires students to reflect and revise previous writing, write a substantial senior paper in geography with the guidance of an advisor, and meet weekly with other geography majors to discuss important, current developments in geography and related cognate disciplines. In addition, students will be provided with opportunities to work with faculty in order to define and achieve career goals in geography. Prerequisites: PSC/SOC 401 and senior standing major in geography.

GEOG 0491 • Internship in Geography

Demand • 1-3 Credit Hours

Extensive off-campus experience providing opportunity for students to gain hands-on practice working with local governmental agencies and non-profits assisting in collecting, administering, and presenting a variety of spatial data. Site supervisor(s) will develop a contractual agreement(s) that provides specific learning experiences for the internship. Prerequisites: approval of department chair and/or faculty supervisor and grade of C or better in GEOG 101 plus 6 additional hours of Geography, 3 of which may be taken concurrently with the internship.

GEOG 0498 • Advanced Topics in Geography

Demand • 3 Credit Hours

Study and analysis of selected topics in advanced regional geography.

GEOG 0499 • Independent Study

Demand • 1-3 Credit Hours

For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the departments course offerings. The individualized project will be directed by an instructor/advisor from the geography faculty in consultation with the student. Repeatable up to six credit hours.

For additional information on Geography contact:
Dr. Steve Smith • Webster Hall 236
417-625-3008 • smith-steve@mssu.edu

GEOLOGY

FACULTY: ***Archer - Chair, Yeboah-Forson***
Reynolds Hall 210 • 417-625-9766

Mission

Geology, the study of the processes shaping planet earth, is of interest to civil engineers, environmental scientists, geographers and biologists. Professionals find their background in geology useful for graduate studies, land-use planning, assessment of natural environmental hazards, resource development, water-use issues and waste disposal.

Geophysics studies the underlying forces responsible for geologic processes and develops the technology for probing the subsurface and interior of the earth. Professional geophysicists work to understand the nature of volcanic eruptions, the behavior and potential prediction of earthquakes, the mechanisms behind continental drift, how to better predict the behavior of the atmosphere and to develop technologies to search for new mineral and energy resources.

The Chemistry and Physical Science Department participates in a cooperative transfer program with the Missouri University of Science & Technology which allows students to complete their first two years of study toward a Bachelor of Science degree in either geology or geophysics at Missouri Southern and then transfer to Missouri S&T for the completion of the last two years of the degree. The program is adaptable so that students may also complete the degree at the University of Missouri at Columbia or Missouri State University in Springfield.

The geology courses at Southern support majors in other fields such as geography and environmental health and enable students to meet state certification requirements for teaching general science and earth science at the 7th through 12th grade levels.

COURSE DESCRIPTIONS: GEOLOGY

GEOL 0120 • Introduction to Geology

Fall & Spring • 4 Credit Hours

Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, one three-hr. lab per week. Prerequisite: MATH 030 or higher level math or Math ACT score of 22 or higher.

GEOL 0185 • Introduction to Meteorology

Spring (Even) • 4 Credit Hours

Fundamentals of the circulation of the atmosphere, sequence of weather events, weather forecasting, and severe weather. Includes interpretation of weather maps. 3 lectures and one 2-hour laboratory per wk. Prerequisite: MATH 030 or higher/Math ACT 22 or higher.

GEOL 0201 • Physical Geography

Fall & Spring • 4 Credit Hours

Study of the physical or natural aspects of man's environment with emphasis on landform development, oceanographic features, climate variation, and human impacts on the planet's geography. Three hours lecture, one two-hour lab per week. Prerequisite: MATH 30 or higher level mathematics or Math ACT of 22 or higher. Cross-listed as GEOG 201.

GEOL 0202 • Map and Photo Interpretation

Demand • 1 Credit Hour

An introduction to the interpretation of topographic maps, aerial photos and satellite images. One 3-hour laboratory per week. Designed to complement GEOL 201. Prerequisite: GEOL 201 or equivalent, may be taken concurrently. Students may not receive credit for both GEOL 120 and GEOL 202.

GEOL 0210 • Fundamentals of Earth & Space Science

Fall, Spring (Odd) & Summer • 3 Credit Hours

Materials of the earth, geologic features and landscapes of the earth's surface in relation to the processes producing them; interrelationships between geologic processes and the earth's atmosphere and oceans; geologic description of the solar system; basic concepts in astronomy and meteorology. Prerequisite: PHYS 100 or 101. Three lectures per week.

GEOL 0212 • Earth & Space Science Lab

Fall, Spring (Odd) & Summer • 1 Credit Hour

Laboratory study of rocks and minerals, landscapes features as revealed in maps and stereo photos, weather maps and data, astronomical observations and earth-sun-solar system interrelationships. One-day field trips and some night-time astronomical observations are required. This course is designed primarily for students specializing in elementary education. Co-requisite: GEOL 210 must be taken concurrently. One 3-hour lab per week.

GEOL 0298 • Topics in Geology

Demand • 1-3 Credit Hours

Special Topics in geology not normally offered in other courses. Prerequisites to be determined by department.

GEOL 0300 • Environmental Geology

Demand • 3 Credit Hours

An introduction to our relationship to the earth's environment. The limitations of natural resources and discussion of consequences of the exploitation of natural resources are considered along with the demands of humanity upon the environment. Overview of natural environmental hazards, including volcanoes, earthquakes, subsidence landslides, floods and asteroid impacts. Prerequisite: Five credits in physical science, physics and/or chemistry. Cross listed as EH 300.

GEOL 0320 • Historical Geology

Demand • 4 Credit Hours

A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three lectures, one 2-hour lab per week. Prerequisites: GEOL 120 and either BIO 101 or higher level Biology course.

GEOL 0491 • Internship in Geology

Demand • 1-3 Credit Hours

In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied geology in which on-the-job experience would be beneficial to the student's training. Prerequisites, Junior standing in chemistry, physics, biology or pre-engineering or by permission.

GEOL 0498 • Advanced Topics in Geology

Demand • 1-3 Credit Hours

In depth study of the geology of a particular region or system of regions through classroom sessions and/or field trips. Extended field trips will require a special lab fee and, in some cases, special physical conditioning or training. The region or area of interest varies from year to year. Prerequisites: GEOL 320 and/or consent of the instructor.

GEOL 0499 • Geology Field Studies

Demand • 1-3 Credit Hours

Individual work under the supervision of a staff member with credit and hours to be arranged. Problems may be undertaken in any field of geology with adequate preparation and the consent of the supervising instructor. Prerequisite: 3 hours of Physical Science or permission of instructor.

For additional information on Geology contact:
Dr. Albert Yeboah-Forson
Reynolds Hall 209
417-625-9616 • yeboahforson-a@mssu.edu

HISTORY



FACULTY:
Wells-Lewis - Interim Chair, Bever, Fischer, Teverow, & Wagner
Webster Hall 241 • 417-625-9565

Mission

Preparing students for dynamic leadership and responsible citizenship is the mission of the Department of Social Sciences. The department provides students with the opportunity to cultivate critical thinking, communication and technological skills that will continue to be of value in the complex world of the 21st century. The faculty offers substantive instruction and intellectual challenge within the Social Sciences. The department emphasizes opportunities to engage in the international world in support of the University's international mission. Finally, the Department of Social Sciences builds bridges to the local community through academic internships, public events, partnerships with local institutions and sponsorship of academic programs and events for students and teachers at local schools.

A Bachelor of Arts degree with a major in History prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A Bachelor of Science in Education with a major in Social Studies - History emphasis - certifies a student to enter professional teaching at the secondary school level. A minor in History is available for students majoring in other disciplines.

General Education Requirements and Missouri statute requirements are met by HIST 110 or HIST 120. HIST 130 and HIST 140 meet the General Education requirement in Area I, International Cultural Studies.

HIST 130 or 140 is a prerequisite for all Upper Division European courses. HIST 150 is a prerequisite for all Upper Division Asian History courses. HIST 160 is a prerequisite for all Upper Division Latin American History courses.

Student Organizations

The History Club is open to all students who are interested in history. The club provides an informal setting for students to pursue their interests in history and sponsors a wide variety of activities each semester.

Pi Alpha Theta is the national honor society in history. Pi Alpha Theta recognizes academic excellence in the field and encourages its members to participate in the activities of its national organization. Locally, Pi Alpha Theta members share many activities with the History Club.

Bachelor of Arts ..... Major Code HI00
History Major

General Education Requirements (p. 39) 46-47*..... 43-44

Computer Literacy Requirement - determined by Social Sciences Department		3
Modern Language (four courses in one language)		12
History Requirements		42
HIST 110	U.S. History 1492-1877	3
HIST 120	U.S. History 1877-Present	3
HIST 130	Western Civilization to 1660	3
HIST 140	Western Civilization Since 1660	3
HIST 150	Asian Civilizations	3
HIST 160	History of Latin America	3
HIST 201	Introduction to Historical Research**	3
HIST 497	Seminar in Historical Research**	3
Upper Division U.S. History Courses**		6
Upper Division European/Global History courses**		6
Upper Division Latin American History course**		3
Upper Division Asian History course		3
General Electives (minor recommended)		23-24
Total		124***

*Required History courses satisfy major requirements and 3 hours of General Education Requirements.
**See Prerequisites
***Must include at least 40 Upper Division (300-400 level) hours.

Minor in American Studies
Minor Code.....HI81

Required		15
HIST 110	U.S. History 1492-1877	3
HIST 120	U.S. History 1877-Present	3
PSC 120	Government: U.S., State and Local	3
ENG 281	American Literature I	3
ENG 282	American Literature II	3
Select two courses from the following		6
American History - HIST 310, 325, 330, 335, 340, 343, 344, 345, 350, 360, 365, 373, 405, 410		
Political Science - PSC 301, 311, 431, 432		
Geography - GEOG 422 Geography of U.S. and Canada		
American Literature - ENG 381 Studies in American Literature		
Anthropology - ANTH 302 North American Indian		
Total		21

COURSE DESCRIPTIONS: HISTORY

HIST 0201 • Introduction to Historical Research
Spring • 3 Credit Hours

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources and the recommended styles and strategies for writing research papers. Required of all History BA and all Social Studies (History emphasis) BSE majors as a prerequisite for upper-division History courses. Prerequisite: HIST 110 or 120 or 130 or 140.

HIST 0202 Introduction to Public History
Fall (Odd) 3 Credit Hours

This course provides an introduction to the ways history is conceptualized and presented outside of the classroom: in libraries, museums, national parks, theme parks, films, and on the Internet. Special emphases will include an introduction to the various professions of the field, the historical thought-processes required to interpret the past for the public, and the unique challenges public historians face as they balance competing debates about how the past should be preserved and remembered. Prerequisite: any 100 level History course.

Bachelor of Science in Education ..... Major Code ES19
Social Studies Major, Grade 9-12 Certification
History Emphasis

General Education Requirements (p. 39) 46-47*..... 34-35

History Requirements		39
HIST 110	U.S. History 1492-1877*	3
HIST 120	U.S. History 1877-Present*	3
HIST 130	Western Civilization to 1660	3
HIST 140	Western Civilization Since 1660	3
HIST 150	Asian Civilizations OR	
HIST 160	History of Latin America	3
HIST 201	Introduction to Historical Research**	3
HIST 497	Seminar in Historical Research**	3
Upper Division U.S. History courses**		6
Upper Division European/Global History course		3
Upper Division Latin American or Asian course**		3
Upper Division History courses**		6
Supporting Requirements		21
PSC 120	Gov't: U.S./State/Local*	3
PSC	Upper Division course	3
SOC 110	Introduction to Sociology	3
SOC	Upper Division course	3
GEOG 111	World Regional Geography	3
GEOG	Upper Division course	3
ECON 101	Economics of Social Issues*	3
Education Certification Requirements (p. 177) 47		44
Total		138-139

*Required history, political science, economics and EDUC 280 courses satisfy major requirements and 12 hours of General Education Requirements.
**See Prerequisites

Minor in History
Minor Code.....HI80

HIST 110	U.S. History 1492-1877	3
HIST 120	U.S. History 1877-Present	3
HIST 130	Western Civilization To 1660 OR	
HIST 140	Western Civilization Since 1660	3
HIST	Upper Division U.S. History Course*	3
HIST	Upper Division European or Asian or Latin American Courses*	6
Total		18

*Must be chosen with approval of history advisor.

HIST 0298 • Topics in History
Demand • 3 Credit Hours

Special historical topics are examined. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

HIST 0491 • Internship in History
Demand • 1-8 Credit Hours

Practical, professional training in archival skills and museum management in an area historical museum, archival institution or historic site, under the supervision of a faculty member and a professional from the participating institution. No more than three hours may be counted toward a major or minor. Prerequisite: Junior standing or above and departmental approval. Repeatable up to eight credit hours.

HIST 0497 • Seminar in Historical Research
Fall • 3 Credit Hours

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior standing, HIST 201, ENG 102 and 6 hours upper-division history.

COURSE DESCRIPTIONS: HISTORY (CONTINUED)

HIST 0498 • Advanced Topics in History

Demand • 3 Credit Hours

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status.

HIST 0499 • Independent Study

Demand • 1-3 Credit Hours

Individualized project directed by the instructor/advisor with approval of department head and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required. Repeatable up to six credit hours.

COURSE DESCRIPTIONS: -- AMERICAN HISTORY --

HIST 0110 • United States History 1492-1877

Fall & Spring • 3 Credit Hours

Survey of the United States from colonial times to 1877. Meets the General Education requirement for all majors. Prerequisite: 17 or higher on the ACT Reading section or 15 hours completed with a GPA of 2.5 or higher.

HIST 0120 • United States History 1877 to Present

Fall & Spring • 3 Credit Hours

Survey of the economic, social, and political development of the United States from 1877 to the present. Meets the General Education requirement for all majors. Prerequisite: 17 or higher on the ACT Reading section or 15 hours completed with a GPA of 2.5 or higher.

HIST 0310 • United States Social and Intellectual History

Demand • 3 Credit Hours

Survey of the ideas, values and institutions that have nurtured and influenced the United States during the great industrial expansion and emergence as a technology leader to the dilemmas of the 1970's and 1980's. Prerequisite: Three hours of history or consent of instructor.

HIST 0320 • The Civil Rights Era

Demand • 3 Credit Hours

A study of the African-American struggle for civil rights. While surveying the period from the end of Reconstruction to the present day, this course will focus primarily on events from 1954-1968. Prerequisite: HIST 120.

HIST 0325 • The American West

Demand • 3 Credit Hours

Explores the conquest of the American West by Spanish, French and American settlers and its effects on the native inhabitants of the region. The development of the mythic west will also be examined. Prerequisite: HIST 110 or 120.

HIST 0330 • History of the American Indians

Demand • 3 Credit Hours

A Survey of the social, political, diplomatic, military and legal history of Native American society. Prerequisite: HIST 110 or 120.

HIST 0332 • The Great Depression & World War II

Spring Even • 3 Credit Hours

An in-depth study of the American experience during the Great Depression and World War II. Prerequisite: HIST 120.

HIST 0343 • The U.S. and the Cold War

Fall Even • 3 Credit Hours

A study of the 20th century struggle for global influence between the United States and the Soviet Union. Prerequisite: HIST 120.

HIST 0344 • America in Vietnam

Spring Odd • 3 Credit Hours

A political, diplomatic, military and social study of the U.S. involvement in Vietnam from 1945 to 1975. Prerequisite: HIST 120.

HIST 0345 • Age of Jefferson and Jackson

Fall Even • 3 Credit Hours

Early political development in the United States. Evolution of the presidency over the first years of the new government, the triumph of Jeffersonian ideas, social trends and the rise of nationalism. Prerequisite: HIST 110 or 120.

HIST 0350 • Civil War and Reconstruction

Spring Odd• 3 Credit Hours

Causes of the Civil War, slavery and reform movements before the Civil War. Traces the development of reconstruction and political developments of the era. Prerequisite: HIST 110 or 120.

HIST 0360 • History of Missouri

Demand • 3 Credit Hours

Missouri's growth from its early settlement to the present. Emphasis on political, economic, institutional and social development. Prerequisite: HIST 110 or 120.

HIST 0365 • Colonial North America

Demand • 3 Credit Hours

Discovery, conquest and development from 1492-1781. The imperial struggles between Spain, France, England and various Native Americans will be emphasized, along with the social, cultural and economic growth of the European colonies. Prerequisite: HIST 110 or 120.

HIST 0373 • Women in U.S. History

Fall Odd • 3 Credit Hours

A survey of the historical experience of American women from the colonial period to the modern era. Prerequisite: HIST 110 or 120.

HIST 0405 • The Gilded Age and Progressive Era

Demand • 3 Credit Hours

A survey of United States history from the end of Reconstruction through the 1920s.

HIST 0410 • The United States 1945-Present

Demand • 3 Credit Hours

Selected topics in United States history between 1945 and the end of the twentieth century. Prerequisite: HIST 120.

HIST 0415 • African American History and Culture

Fall • 3 Credit Hours

Understanding African American history is indispensable for understanding American history. This is true because African Americans have made extraordinary contributions to American culture and society, including but not limited to, social movements to achieve full participation in that society.

COURSE DESCRIPTIONS: - EUROPEAN & GLOBAL HISTORY -

HIST 0130 • Western Civilization to 1660

Fall & Spring • 3 Credit Hours

Survey of the development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression and daily life in the ancient Near East, Greece, Rome and Christian Europe.

HIST 0140 • Western Civilization since 1660

Fall & Spring • 3 Credit Hours

Survey of Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions and two world wars.

HIST 0301 • Food Culture and Exchange in World History

Fall-Even • 3 Credit Hours

An examination of how changes in methods of procuring, producing, distributing and consuming food have shaped world history. Special emphases included how the need for food has shaped societies, how new foods have transformed societies and relations between societies, how foodways change over time and how new eating choices impact society.

HIST 0369 • Nineteenth Century Europe

Demand • 3 Credit Hours

A survey of the major alterations of European society during the twentieth century. Emphasis on industrialization, imperialism, revolutions, rise of socialism/communism, middle-class liberal capitalism and individual national events. HIST 130 or 140 recommended before taking this class.

HIST 0370 • Twentieth Century Europe

Demand • 3 Credit Hours

A survey approach with emphasis on World Wars I and II, the League of Nations, the United Nations, totalitarian systems and current European/world problems. HIST 130 or 140 recommended before taking this class.

HIST 0371 • The Holocaust

Demand • 3 Credit Hours

An examination of the destruction of the European Jews from 1933 to 1945, with special attention to the social, political and scientific context of the Holocaust. Special attention to European anti-Semitism, the rise of German Nazism, the development of a policy of mass murder and the operation of ghettos and death camps. HIST 130 or 140 recommended before taking this class.

HIST 0375 • English History to 1660

Demand • 3 Credit Hours

The peoples of England and their institutions from prehistoric settlement through the English civil wars. Major topics include the impact of Anglo-Saxon, Scandinavian and Norman invasions, the changing roles of monarchy and parliament, changes in England's relations with other parts of the British Isles and with Europe and life among various social classes. Prerequisite: HIST: 130 or 140.

HIST 0380 • British History Since 1660

Demand • 3 Credit Hours

British peoples and institutions from the Restoration to the present. Emphasis on the development of Parliamentary government, the rise and fall of the world's first industrial economy, life among various social classes and changes in Britain's role as a European and global power. Prerequisite: HIST 130 or 140.



HIST 0387 • History of Russia to 1796

Demand • 3 Credit Hours

History of Russia from pre-Tsarist times through the reign of Catherine the Great. Emphasis on the land and the people, national characteristics and political institutions. Prerequisite: HIST 130 or 140.

HIST 0388 • History of Russia Since 1796

Spring Even • 3 Credit Hours

Russia since the reign of Catherine the Great until the recent demise of the Soviet Union. Investigates the problems posed by Tsarist Autocracy and Serfdom, the origins and course of the Bolshevik Revolution, Russian life under communism and the structural weaknesses and events contributing to the collapse of the Soviet Union. Prerequisite: HIST 130 or 140.

HIST 0390 • History of Germany

Demand • 3 Credit Hours

Social, political, military and economic history of Germany, with major concentration on the post-1519 period. Emphasis on the decline of the Medieval Empire, princely absolutism, national unification, Weimar Republic, Third Reich and post World War II. HIST 130 or 140 recommended before taking this class.

HIST 0425 • The Renaissance and the Reformation 1350-1559

Demand • 3 Credit Hours

An overview of Europe from 1350 to 1559. Changes in thought and artistic expression, the divisions within Western Christendom, the emergence of national monarchies and the impact of economic change on daily life. Prerequisite: HIST 130 or 140.

HIST 0435 • The Era of the French Revolution and Napoleon

Demand • 3 Credit Hours

An examination and analysis of events in France and their impact on Europe from 1789 to 1815. Interplay of ideas and people and the quest for a political settlement under a constitutional monarchy, republic and empire. Prerequisite: HIST 130 or 140.

HIST 0440 • European Intellectual History

Demand • 3 Credit Hours

Intellectual, cultural and social developments in Europe from the Italian Renaissance to the present. Examination of the rise of scientific thought, the Enlightenment, Romanticism, nationalism, political ideologies, social reforms and existentialism. HIST 130 or 140 recommended before taking this course.

HIST 0498 • Advanced Topics in History

Demand • 3 Credit Hours

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status.

HIST 0499 • Independent Study

Demand • 1-3 Credit Hours

Individualized project directed by the instructor/advisor with approval of department head and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required. Repeatable up to six credit hours.

COURSE DESCRIPTIONS: -- ASIAN HISTORY --

HIST 0150 • Asian Civilizations

Fall • 3 Credit Hours

Introductory survey of the history and culture of traditional and modern Asia, focusing on the distinctive culture areas of monsoonal Asia, i.e., South, Southeast and East Asia. Some attention will also be given to Asian culture areas outside this zone.

HIST 0313 • East Asian Civilizations I

Demand • 3 Credit Hours

Survey of the history of pre-modern East Asia to 1600, focusing particularly on China, Japan, Vietnam, and to a lesser extent, Korea. Course will emphasize the development of East Asian cultures, societies and political structures and will use a comparative analysis in seeking to understand the history of the region. Prerequisite: HIST 150.

HIST 0314 • East Asian Civilizations II

Demand • 3 Credit Hours

Survey of the history of modern East Asia from 1600, focusing particularly on China, Japan, Vietnam, and to a lesser extent, Korea. Course will emphasize the impact of the West and the problems of modern development, using a comparative analysis in seeking to understand the history of the region. Prerequisite: HIST 150.

HIST 0316 • South Asian Civilizations

Demand • 3 Credit Hours

Survey of South Asian History from the dawn of civilization to the present. Course will encompass the interplay among art, religion, politics, migration, conquest, nationalism and cultural exchange in constituting the peoples and nations of India, Pakistan, Bangladesh, Afghanistan, Nepal and Sri Lanka. Prerequisite: HIST 150.

COURSE DESCRIPTIONS: -- LATIN AMERICAN HISTORY --

HIST 0160 • History of Latin America

Spring • 3 Credit Hours

Historical overview of Latin America, from the Spanish and Portuguese to the present day, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian and African background of Latin American history and the ways in which these groups helped shape Latin American society. Topics covered will include the conquest of Latin America, Spanish administration, the independence movements of the nineteenth century, nation building and revolutionary movements of the twentieth century.

HIST 0342 • Latin American Revolutions

Demand • 3 Credit Hours

Latin American Revolutions addresses the causes and consequences of 20th century uprisings in Bolivia, Mexico, Cuba, Guatemala, Nicaragua, El Salvador, Chile and Columbia. Emphasis will be placed on the tactics and personalities of revolutionary leaders as well as the needs and reactions of their supporters. Prerequisite: HIST 160.

HIST 0474 • Colonial Latin America

Demand • 3 Credit Hours

Colonial Latin America will provide a historical overview of Latin American from the Spanish and Portuguese conquest until independence in the 1820s, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background to Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, imperial rivalries, Spanish administration, Indian labor and the independence movements of the 19th century. Prerequisite: HIST 130 or 140.

HIST 0475 • Modern Latin America

Demand • 3 Credit Hours

Historical overview of Latin America since independence, examining major themes, events and issues in the region. Particular emphasis on ways in which Latin American peoples have struggled to resist, adapt and take advantage of the social forces influencing their nations' urbanization, populism, social revolution, development, peasant rebellion, the position of women in society and the Church. Prerequisite: HIST 130 or 140.

For additional information on History contact:
Dr. Ree Wells-Lewis • Webster Hall 245
417-625-9565 • wells-r@mssu.edu

INTENSIVE ENGLISH PROGRAM

FACULTY:

Carmichael - Director, Keller
Webster Hall 320A • 417-625-9573

Mission

The Intensive English Program (IEP) provides English as a Second Language (ESL) instruction to international and resident students whose first language is not English. The IEP provides instruction to help students reach an academic level of English in order to obtain a university degree. This supports MSSU's mission of a strong commitment to international education by enabling more international students to attend MSSU.

The English requirement for full admission to regular studies:

- A minimum TOEFL score of 68 (iBT) with a minimum writing score of 25 (iBT) OR
- A Michigan English Language Placement Test score of 85
- AN IELTS score of at least 6.0 with no subscore lower than 5.0

There is no minimum test score required for admission to English studies before a degree program.

Students holding an F-1 visa to study in the U.S. must be enrolled full-time in academic studies. Full time academic status is 12 or more credit hours; English study is 15 credit hours per semester.

Placement: Students are given a Michigan English Placement Test (MEPT) upon arrival and at the end of every semester. There is no fee for the test. The MEPT is one test developed by the University of Michigan and is valid only at the institution where the test is given.

Courses: Five levels of instruction are offered. Classes are taught in the following skill areas: Reading, Grammar, Composition, Speaking/Listening and Academic Skills. **All classes must be passed with a 2.0 (C) to move to the next level.** Courses may be repeated only one time if necessary.

Length of Study: The time a student spends in the IEP depends on a variety of factors including personal motivation, study skills, the language commonly used outside the classroom, level of proficiency and ability. It is expected that students complete the IEP in a specific time, set when students enroll in courses after taking the initial MEPT or other language assessment test.

Nothing herein prohibits a student from enrollment in courses at a lower or higher level than these general scores suggest, if test sub scores indicate different work in a skill area (grammar, listening, speaking, reading, writing, pronunciation) is more appropriate.

Disciplinary Policy

IEP Disciplinary policy conforms to the MSSU Academic Policies as stated in the catalog. Any IEP student falling below a GPA of 2.0 in any semester in his or her IEP course work will be placed on IEP academic probation. If the GPA is not raised to the minimum standard of progress during the probationary semester, the student is subject to academic suspension from the program.

A student receiving academic suspension may not return to the IEP for one semester and will not be re-enrolled if the student cannot present evidence that indicates a high probability of academic success.

Academic bankruptcy is not permitted in the IEP.

The Program

Students at all levels are required to enroll in a full load of IEP courses. Exchange Students at MSSU for a limited time and intending to complete their degree at another university may take IEP courses for transfer credit to their home institutions. Exchange students are governed by the exchange agreements under which they attend MSSU and must meet the language requirements of MSSU to be admitted to regular classes.

English Support Services

International students or second language English students in the regular academic program at MSSU who wish to take English support classes to help their academic studies may take up to 6 hours of IEP courses each semester.

Additional Help

IEP-sponsored English tutoring services for international and second language English students are provided through the Language Resource Center. In addition, Learning Center tutors are available to work with other academic work at any time.

Conversation Partners

Time with conversation partners is required of English learners and provides support in getting to know American culture as well as language. Some IEP courses require students to find a conversation partner to complete the work of the course.

Highlights of the IEP

- Students admitted to the IEP are considered official students at Missouri Southern State University with all the accompanying rights and privileges. Unless a student has met admission requirements to the University, however, s/he is not admitted thereby to a degree program.
- No minimum TOEFL or other proficiency test score is necessary to enroll in IEP classes, but scores on the Michigan Tests (MELICET and MPT) are used for placement in appropriate level courses.
- Small classes offer personal attention.
- Native English-speaking conversation partners and dormitory roommates are available.
- Conversation partners and IEP tutors allow students to progress at their own pace.
- Students participate in field trips to areas of cultural interest as well as planned social activities with neighboring colleges and universities.

mssu.edu/international-studies/international-english-program/index.php

INTENSIVE ENGLISH PROGRAM: COURSE DESCRIPTIONS

ESL 0051 • Level 1: Introduction to Grammar

Fall • 3 Credit Hours

Students focus on basic grammar structures in English at the independent word, phrase, and simple sentence level. Emphases include concrete, abstract, count and non-count nouns, pronouns, adjectives, adverbs, prepositions, regular and irregular verbs. Subject verb agreement and verb tensing is stressed. The course emphasizes use and understanding of these structures.

ESL 0052 • Level 1: Beginning Listening & Speaking

Fall & Spring • 3 Credit Hours

Students focus on basic speaking and listening skills, including practice in language production and understanding. Primary focus of the course is pronunciation of American English phonemes and morphemes with additional work to assist students' communication needs common situations. Topics include general conversation, interviewing, requests, questions and answers, and expressing opinions.

ESL 0053 • Level 1: Beginning Reading

Fall & Spring • 3 Credit Hours

Students focus on basic reading skills, stressing reading strategies and vocabulary development. Primary focus stresses reading skills necessary to move on to higher level reading courses in the IEP. Topics include general purpose and recreational reading, reading speed and comprehension strategies, vocabulary and idiomatic expression development.

ESL 0054 • Level 1: Beginning Composition

Fall & Spring • 3 Credit Hours

This course is designed to help the ESL learner master English syntax at the sentence level, with an introduction to basic paragraph form. Emphasis is on competency in clearly expressing ideas through developing various sentence structures. Students learn development of main and supporting ideas, simple and compound sentence structure.

ESL 0057 • Level 1: Beginning English Skills

Fall & Spring • 3 Credit Hours

Students learn to navigate the American classroom system on the university level. Students explore relationships in America by participating in discussions, on campus activities and conversations with native English speakers as well as successful IEP students in higher levels. University policies and classroom expectations are a main focus. Emphasis is placed on skills needed to be successful in the American university environment.

ESL 0061 • Level 2: Basic Grammar

Fall • 3 Credit Hours

Students focus on basic grammar structures in English at the sentence level. Emphases include verb forms and tensing structures, subject/verb agreement, parts of speech, use of adjective, adverb and prepositional phrases, noun and pronoun forms, and active/passive voices. Sentence construction is stressed, including complex sentence structures. The course emphasizes use and understanding of these structures.

For additional information contact:
Aaron Carmichael, Director
Intensive English Program
Webster Hall 320A • 417-625-9573
iep@mssu.edu

ESL 0062 • Level 2: Speaking and Listening

Fall & Spring • 3 Credit Hours

Students focus on basic speaking and listening skills, including practice in language production and understanding. Primary focus of the course is basic level conversation in American Standard English, with additional work to assist students' communication needs for survival English. Topics include conversation, requests, questions and answers, and formulaic exchanges such as greetings, introductions and shopping.

ESL 0063 • Level 2: Reading Skills

Fall & Spring • 3 Credit Hours

Students focus on basic reading skills, stressing reading strategies and vocabulary development. Primary focus stresses reading skill development and reading fluency (speed and comprehension). Topics include general purpose and recreational reading, vocabulary and idiomatic expression development.

ESL 0064 • Level 2: Writing in English

Fall & Spring • 3 Credit Hours

This course is designed to help the ESL learner master English syntax at the phrase, clause and sentence level, with an introduction to basic paragraph form. Emphasis is on competency in expressing clearly complex ideas through developing various sentence structures and types. Students learn development of primary and secondary ideas. Class writing assignments are linked, when possible, to authentic purposes for writing.

ESL 0067 • Level 2: Developing Basic English Skills

Summer • 3 Credit Hours

Students focus on four basic English skills: reading, writing, speaking and listening, and grammar. Primary focus stresses the skills most important at a beginning level: vocabulary development, correct grammatical structures, written communication strategies, negotiating meaning and avoiding misunderstandings, and participation in common, everyday communications, questions and answers, and opinions.

ESL 0072 • Level 3: Speaking and Listening

Fall & Spring • 3 Credit Hours

Students focus on basic and intermediate speaking and listening skills, including practice in language production and understanding. Primary focus of the course is conversation in American Standard English, with additional work to assist students' communication needs in American higher education. Topics include general conversation, interviewing, requests, questions and answers and expressing opinions.

ESL 0073 • Level 3: Reading and Vocabulary

Fall & Spring • 3 Credit Hours

Students focus on basic and intermediate reading skills, stressing reading strategies and vocabulary development. Primary focus stresses reading skills necessary in the general environment of American higher education by way of an introduction to American culture. Topics include general purpose and recreational reading, reading speed and comprehension strategies, vocabulary and idiomatic expression development.

ESL 0074 • Level 3: ESL Composition

Fall & Spring • 3 Credit Hours

This course is designed to help the ESL learner master English syntax at the sentence and paragraph level, with an introduction to basic academic essay form. Emphasis is on competency in expressing clearly complex ideas through developing various types of paragraphs. Students learn development of main and supporting ideas.

ESL 0077 • Level 3: Intermediate ESL Skills

Demand • 3 Credit Hours

Students focus on four intermediate English skills: reading, writing, speaking and listening and grammar. Primary focus stresses the skills most important at an intermediate level: vocabulary building, correct grammatical structures for communicative language production and participation in common, everyday communications, questions and answers and expressing opinions.

ESL 0082 • Level 4: Academic Speaking & Listening

Fall & Spring • 3 Credit Hours

Students focus on advanced speaking and listening skills appropriate to American higher educational settings, including language production and understanding. The course emphasizes academic lecture discourse and note taking skills; discussion leadership and participation styles; researching, analyzing and expressing opinions on a variety of academic topics. Requires a placement test or approval of the IEP director.

ESL 0083 • Level 4: Academic Reading

Fall & Spring • 3 Credit Hours

Students focus on reading skills necessary for university academic work, stressing reading strategies and vocabulary development. Primary focuses are understanding difficult texts and vocabularies, increasing reading speed and encouragement of recreational reading in English. Topics include essay and academic texts; careful reading, skimming and scanning skills and summarizing. Requires a placement test or permission of the IEP director.

ESL 0084 • Level 4: ESL Composition

Fall & Spring • 3 Credit Hours

This course is designed to help the ESL learner master English syntax at the essay and formal paper level, with introduction to basic citation form. Emphasis is on academic discourse styles in development of the essay and other types of classroom written work. Topics include development of a thesis through essay organization and writing clearly under the pressure of time. Requires a placement test or permission of the IEP director.

ESL 0087 • Level 4: Academic ESL Skills

Summer & Demand • 3 Credit Hours

Students focus on four advanced English skills: reading, writing, speaking and listening and grammar. Primary focus stresses the skills most important at an advanced level: vocabulary building in technical, professional and academic areas, correct grammatical structures for business and academic language production and participation in university level communications, discussions, formal questions and expressing opinions.

ESL 0092 • Level 5: Advanced Speaking and Listening

Fall • 3 Credit Hours

Students focus on the principles of oral communication: advanced speaking and listening skills essential for success in collegiate coursework. These skills include, but are not limited to the following: academic note-taking skills, academic presentation skills, skills for leading a discussion and fielding questions, advanced pronunciation skills guided by self-monitoring and self-assessment, effective use of research for a formal presentation, and critical assessment skills for evaluating research material. Material evaluated will be derived from the following: academic lectures, dictionary basics, pronunciation (vowel basics, consonant basics, syllables and word endings, stress in words, rhythm in phrases and sentences), thought groups and focus words, and models of professional and well-researched presentations.

ESL 0093 • Level 5: Advanced Reading

Fall & Spring • 3 Credit Hours

This course prepares students for the intensive reading requirements of a university classroom. Various forms of academic texts are analyzed with objectives of improving reading comprehension through identifying authors' writing styles and communicative intents. Additional emphases are placed on building vocabulary, taking notes while reading, and incorporating reading as a necessary study skill. Concepts of reading for various styles of exam questions is also discussed. Prerequisite: ESL 0083 or placement test for new admits.

ESL 0097 • ESL Topics

Demand • 0-8 Credit Hours

Short term courses for persons desiring short study of English while in the U.S. Non-gradable.

ESL 0130 • Studying for the TOEFL

Demand • 2 Credit Hours

This course focuses on the tools good students use to prepare for the TOEFL examinations. English competence and a number of other factors affect student performance, including test anxiety, assessment misunderstanding, unfamiliarity with key vocabulary, poor study habits and poor strategies. The goal of this short course is to introduce the most helpful things to prepare for the TOEFL and, by extension, other language assessments such as the Michigan Test Battery.

INTERNATIONAL STUDIES

FACULTY:

Stebbins - Director
Webster Hall 337A• 417-659-4442

Mission

It is the goal of Missouri Southern State University that all academic programs be enhanced through an emphasis on international education. To that end, the University has identified five goals:

1. Graduates will have an understanding of how cultures and societies around the world are formed, sustained and evolve.

2. Graduates will have empathy for the values and perspectives of cultures other than their own and an awareness of international and multicultural influences in their own lives.

3. Graduates can identify and discuss international issues and cultures other than their own.

4. Graduates have communicative competence in a second or third language.

5. Graduates have experienced or desire to experience a culture other than their own.

Several activities have been designed and implemented to help make these goals possible. They include encouraging and supporting faculty to lead student groups abroad; providing grants for faculty to internationalize the curriculum; developing bilateral exchange agreements with universities in other countries; developing "themed" semesters featuring special course offerings, lectures and cultural events of a particular country or continent; increasing the number of foreign language course sections and course offerings; and offering Performing Aid Awards for students majoring or minoring in a foreign language.

The Institute of International Studies (IIS), moreover, is committed, through its leadership, in assisting global education to become more pervasive throughout the curriculum and extracurricular activities of the University.

Finally, the Institute is committed to continual assessment of international programs and its mission to ensure that students develop not only an awareness of international problems but specific competencies needed in business, industry, government, education and the professions.

Study Abroad Programs
(Semester and Year-Long Opportunities)

Missouri Southern students have many exciting opportunities to study for a semester or year in other countries. The University is a member of the International Student Exchange Program (ISEP), through which MSSU students can study and earn credit at some 330 colleges and universities in 50 countries around the world. In addition, students may choose to participate in the Bilateral Exchange Program. The University has negotiated a number of departmental bilateral agreements with international institutions; these exchanges are usually specific to a student's major. For semester or year-long exchanges, MSSU students studying abroad through most ISEP or Bilateral Exchange Programs pay regular MSSU tuition and similar room/board fees.

To participate in a long-term study abroad program, students must have a minimum GPA of 2.75 (higher for some host institutions); be degree seeking and enrolled full time; intend to return to MSSU to graduate; and generally have completed 60 credit hours by the time of the exchange.

More information on study abroad programs is available on the Institute of International Studies' website: http://www.mssu.edu/international-studies/

International Studies Major

The major in International Studies is committed to the development in students of high intellectual standards, concern for the whole person and practical cross-cultural and professional skills to enable them to embark upon immediate employment or graduate study.

It is the goal of the major in International Studies that students who complete the program shall:

1. Demonstrate communication skills in a language other than their own at a proficiency beyond the intermediate level of study.

2. Analyze a variety of problems of international significance, selecting or creating possible solutions and defining possible means of implementation.

3. Compare values of one culture with those of another, demonstrating how values develop and analyzing how cultural values impact on decisions of international importance.

4. Analyze the impact of social institutions in their own culture as well as in another, demonstrating an understanding of individuals' roles in these systems, be they governmental, economic, religious, family or occupational.

5. Identify activities and products which constitute the scientific/technological aspects of a culture other than their own, demonstrating an understanding of the impact of such activities and products on the individuals and the physical environment in a culture.

6. Identify those activities and products which constitute the artistic aspects of a culture other than their own; understand the impact which art, in its various forms, has on individuals in a culture; and analyze the uses of works of art within that culture.

International Studies as defined by the Institute of International Studies allows as many disciplines as possible to become involved in the internationalizing of the University. The International Studies major and minor is an interdepartmental degree program administered by the Institute of International Studies. The program offers students an opportunity to enhance their understanding of the diverse cultures of the world and provides a substantial foundation for professional careers in diplomacy, law, education, international business and commerce, journalism, the military, research, public health, human service organizations and much more. Opportunities in most of these professions are available in both the public and private sectors in the United States and abroad. The major is also a good foundation for graduate study in such diverse areas as international law, business, history, political science, foreign languages, anthropology, as well as international relations, intercultural communication, peace studies and other interdisciplinary programs.

For additional information contact:
Dr. Chad Stebbins, Director
Institute of International Studies
Webster Hall 337A
417-625-9736
stebbins-c@mssu.edu

Minor in International Studies

Minor Code.....IS80

INTS 201	Introduction to International Studies	3
At least two of the following:		6
INTS 301	World Humanities (3)	
INTS 302	Environment and Society (3)	
INTS 303	Contemporary World Civilizations (3)	
INTS 304	Comparative Political Economy (3)	
Six additional hours which can be selected from any INTS designated courses. (Three hours could include a study-abroad experience.)		6
Foreign Language (six hours beyond the BA requirement of 12 hours, all in the same language.)		6
Total		21

Bachelor of Arts ..... Major Code ISO0
International Studies Major

General Education Requirements (p. 39) 46-47*..... 43-44

Computer Literacy Requirement (determined by IIS)		3
Modern Language		12
(4 courses in one modern language are required for the BA degree.)		
International Studies Requirements:		54
INTS 201	Introduction to International Studies	3
GEOG 111	World Regional Geography	3
MUS 106	World Music	3
Select one:		3
HIST 140	Western Civilization since 1660 (3)	
HIST 150	Asian Civilizations (3)	
HIST 160	History of Latin America (3)	
Select one:		3
ENG 261	World Literature I (3)	
ENG 262	World Literature II (3)	
Upper-Division Requirements		
INTS 301	World Humanities	3
INTS 302	Environment and Society	3
INTS 303	Contemporary World Civilizations	3
INTS 304	Comparative Political Economy	3
INTS 306	Introduction to Global Health	3
Supporting Courses (select five)		15
COMM 305	Intercultural Communications (3)	
INTS 308	Model United Nations (3)	
INTS 370	Globalization and Native Peoples (3)	
INTS 402	Senior Thesis (3)	
SOC 303	The Arab World (3)	
PSC 321	International Relations (3)	
PSC 352	Introduction to Comparative Politics (3)	
PSC 434	American Foreign Policy (3)	
ENG 361	Studies in World Literature (3)	
IB 310	International Business (3)	
CJAD 370	International Terrorism (3)	
Upper division European or Global History course (3)		
Research methods course (3)		
Foreign language course not in language of emphasis (3)		
Foreign language course not in language of emphasis (3)		
Supporting Requirements:		
Foreign Language		6
(6 additional hours in the foreign language used to satisfy the BA requirement)		
Participation in a study abroad experience with the approval of the Director of the Institute of International Studies. Students may participate in a university-sponsored program (minimum of 3 credit hours), an ISEP or bilateral exchange semester or year abroad. Students with special circumstances may petition to have an alternate immersion experience approved for this requirement.		3
Electives		11-12
Total		124**

*Three hours of foreign language meet General Education Requirements.
**Must include at least 40 upper-division (300-400 level) hours.

COURSE DESCRIPTIONS: INTERNATIONAL STUDIES

INTS 0201 • Introduction to International Studies

Fall • 3 Credit Hours

An introduction to the interdisciplinary study of global issues. The student will receive a variety of ideas, insights and images of the world and will discuss a number of topics including methodologies of global studies and career options. Required of International Studies majors and minors; open to all others.

INTS 0298 • Topics in International Studies

Demand • 3 Credit Hours

Topics not normally included in another course. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

INTS 0301 • World Humanities

Fall • 3 Credit Hours

Transcultural study of the manifestations of the major art forms of the humanities: literature, theatre and film, painting and sculpture, music and dance. The course will stress critical exploration of the relation of the art forms to the cultures from which they emerge and comparative study of the nature and function of the art forms in traditions temporally or spatially distinct from each other, including western and eastern traditions. Required of International Studies majors; open to all others. Prerequisite: must have completed general education core in Humanities and Fine Arts.

INTS 0302 • Environment and Society

Spring • 3 Credit Hours

An examination of social causes and consequences of environmental problems in different regions of the world with an emphasis on philosophical perspectives and practical solutions to such problems. Prerequisites: junior standing or consent of instructor. Cross-listed as GEOG 0302.

INTS 0303 • Contemporary World Civilizations

Spring • 3 Credit Hours

A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of International Studies majors; open to all others. Prerequisite: at least one non-U.S. history course.

INTS 0304 • Comparative Political Economy

Spring • 3 Credit Hours

Comparative study of alternative methods of solving the political and economic problems of production, distribution and allocation. Required of International Studies majors; open to all others. Prerequisite: three hours of economics.

INTS 0306 • Introduction to Global Health

Fall • 3 Credit Hours

This course will introduce students to the main concepts of the global health field and the critical links between global health and social and economic development. Students will get an overview of the principles and goals of global health, the burden of disease and key measures to improve global health. Required of International Studies majors; open to all others. Prerequisite: BIO 101 or 105 or 121 or 122.

INTS 308 • Model United Nations

Fall • 3 Credit Hours

A study of the United Nations and selected issues in recent global history from the perspective of a United Nations member state. Both the nation and topics studied will be determined by the agendas of the collegiate Model United Nations conferences in which Missouri Southern participates. Although this course is designed to prepare delegates for these conferences, enrollment is not limited to Model UN participants. May be repeated for a total of 9 credit hours.

INTS 0350 • A Tale of Two Cities: London and Paris

Demand • 3 Credit Hours

The course explores the society and culture of London and Paris and provides an in-depth look at the ethnic diversity, neighborhoods, urban regeneration, historical perspective, government, transportation, communications, and commerce of both global cities. The course requires a study abroad trip to London and Paris with students responsible for travel expenses. Enrollment by permission of the instructor.

INTS 0370 • Globalization & Native Peoples

Spring • 3 Credit Hours

Globalization and Native Peoples focuses on the increasingly interconnected nature of human cultures around our planet. In this class, students will examine the socioeconomic, cultural, and political processes that work to both advance and to harm the unique lifeways of the thousands of indigenous people living as political and ethnic minorities within different nations. The course will address the complex and often negative effects of multinational corporations seeking to exploit natural resources within the traditional lands of native peoples, as well as the local ecological and health impact of various agencies. The course will also explore the role of modern media, including the Internet's popular social network sites, in another aspect of globalization today. Finally, the opposing trends of a global monoculture vs. the active promotion or revitalization of native language, culture, beliefs, and values will be discussed. Prerequisite: ANTH 101 (or above) or INTS 201 or SOC 110 or special permission from the instructor. Cross-listed as ANTH 370.

INTS 0402 • Senior Thesis in International Studies

Fall & Spring • 3 Credit Hours

With a faculty supervisor, the student will explore and challenge a topic of global concern and produce a senior thesis and make an oral presentation. Prerequisite: Senior standing, permission of the Director of the Institute of International Studies and applicable research course determined by the Director of the Institute of International Studies.

INTS 0498 • Advanced Topics in International Studies

Demand • 3 Credit Hours

For upper-division students. Topic to be announced each time the course is offered. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

INTS 0499 • Independent Study in International Studies

Demand • 1-3 Credit Hours

An independent course structured by the advisor with approval of the Director of the Institute of International Studies. Prerequisite: Must have completed 90 hours with a cumulative GPA of 3.0 and have completed a minimum of 15 hours of International Studies courses. Project must be approved by advisor, by the course director and by the Director of the Institute of International Studies prior to enrollment.

MATHEMATICS

FACULTY:

Johnson - Chair, Appuhamy, Coltharp, Charles Curtis, Carrie Curtis, Hand, Harmon, Laird, Lathrom

Reynolds Hall • 417-625-9376

Mission

The Mathematics Department of Missouri Southern fills several key roles within the University. The Department contributes to the breadth of all majors on campus by providing the mathematics portion of the General Education requirements. For disciplines with a larger quantitative component, the Department offers courses that develop the mathematical tools that students in these disciplines will require. The Department provides a pair of courses to increase future elementary teachers' command of mathematics and imbue them with confidence in its use. For prospective middle school and secondary mathematics teachers, the department offers a comprehensive curriculum designed to ensure that these students have both a mastery of the material they will be teaching and a depth of understanding that will allow them to see this material in a larger context. Additionally, the Department provides a comprehensive mathematics major, preparing students for careers in the academic, industrial or governmental arenas and a computational mathematics option, which allows a student to obtain a double major in mathematics and computer science. The faculty of the Mathematics Department of Missouri Southern State University are committed to excellence in teaching and learning. Recognizing that a successful department is dependent on successful students, the faculty devotes a great deal of energy to communicating mathematics effectively both in and out of the classroom. Department faculty constantly pursue techniques to further the effectiveness of their teaching and to promote an environment conducive to the current and future success of its students.

In an increasingly technological society, applications of mathematics continue to increase in variety. Persons with quantitative ability and training are in high demand. Career opportunities exist in a diversity of fields such as engineering, computer science, economics, statistics, operations research, management and education. Missouri Southern graduates are enjoying success in all of these areas. Some graduates choose to begin careers immediately upon graduation; others choose to continue their education in graduate school. The curriculum is designed to prepare students for either path.

General education requirements for the associate of science degree can be met with any mathematics course numbered 0030 or above.

For students majoring in mathematics, mathematics education, or computational math (or minoring in math), only courses in which they have earned a grade of 'C' or above can be used to satisfy departmental mathematics requirements and supporting requirements. Mathematics courses used as prerequisites require a grade of 'C' or better. Placement in the first college math course is based on the student's score on the Mathematics Section of the ACT. More information is available in the individual course description, the Mathematics Department Office or on the following website: www.mssu.edu/academics/arts-sciences/mathematics/math-placement.php.

Bachelor of Science . . . . . Major Code MA01
Mathematics Major
Computational Mathematics Option

General Education Requirements (p. 39) 46-47*		**39**
Mathematics Requirements		**34**
MATH 150	Calculus with Analytic Geometry I	5
MATH 250	Calculus with Analytic Geometry II	5
MATH 260	Calculus with Analytic Geometry III	3
MATH 300	Fundamentals of Mathematical Thought	3
MATH 340	Discrete Mathematics	3
MATH 350	Introduction to Numerical Analysis	3
MATH 351	Linear Algebra	3
MATH 361	Probability and Statistics I	3
MATH 371	Introduction to Operations Research	3
MATH	Electives numbered above 320	3
CIS Core Requirements		33
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management Systems I	3
CIS 315	Computer Networks	3
CIS 345	UNIX System Administration	3
CIS 350	Data Structures	3
CIS 375	IT Project Management	3
CIS 410	Information Systems II	3
CIS 425	Database Management Systems II	3
CIS 450	Operating Systems	3
Supporting Requirements		10
PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
CHEM 151	General Chemistry I	5
Electives		8
Total		124

*This program is the same as the Bachelor of Science in CIS, Computer Science (Computational MATH Option). See page 140. Students selecting this option will graduate with a double major, Mathematics and Computer Information Science.
**Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of General Education Requirements

Bachelor of Science . . . . . Major Code MA00
Mathematics Major

General Education Requirements (p. 39) 46-47*		**39**
Mathematics Requirements		**40**
MATH 150	Calculus with Analytic Geometry I	5
MATH 250	Calculus with Analytic Geometry II	5
MATH 260	Calculus with Analytic Geometry III	3
MATH 300	Fundamentals of Mathematical Thought	3
MATH 340	Discrete Mathematics	3
MATH 342	Abstract Algebra	3
MATH 351	Linear Algebra	3
MATH	Electives numbered above 320**	15
Supporting Requirements		16
PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
CHEM 151	General Chemistry I	5
CIS 110	Programming I	3
CIS 210	Programming II	3
Electives		29
Total		124***

*Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of General Education Requirements.
**Must include one from MATH 350, 371, or 452 to satisfy Computer Literacy requirement and either 330, 371, or 452 to satisfy Writing Intensive requirement.
***Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science in Education . . . . . Major Code ES15
Mathematics Major - Grades 9-12 Certification

General Education Requirements (p. 39) 46-47*		**36**
Mathematics Requirements		34
MATH 150	Calculus with Analytic Geometry I	5
MATH 250	Calculus with Analytic Geometry II	5
MATH 260	Calculus with Analytic Geometry III	3
MATH 300	Fundamentals of Mathematical Thought	3
MATH 332	Geometry	3
MATH 340	Discrete Mathematics	3
MATH 342	Abstract Algebra	3
MATH 351	Linear Algebra	3
MATH 361	Probability and Statistics I	3
MATH 371	Introduction to Operations Research OR	
MATH 452	Mathematical Models	3
Supporting Requirements		16
PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
CHEM 151	General Chemistry I	5
CIS 110	Programming I	3
CIS 210	Programming II	3
Education Certification Requirements (p. 177)		47
Total		133

*Required courses in mathematics, chemistry, physics and psychology satisfy major requirements and 11 hours of the General Education Requirements.

Minor in Mathematics

Minor Code.....MA80

MATH 150	Calculus with Analytic Geometry I	5
MATH 250	Calculus with Analytic Geometry II	5
MATH	Electives numbered above 250*	11
Total		**21**

*At least 6 hours Upper Division (excluding MATH 302).

COURSE DESCRIPTIONS: MATHEMATICS

MATH 0020 • Beginning Algebra

Fall, Spring & Summer • 3 Credit Hours

The real number system, solving and graphing linear equations and inequalities, applications of linear equations, and systems of linear equations. No credit toward baccalaureate degree.

MATH 0025 • Accelerated Beginning Algebra

Demand • 2 Credit Hours

Linear equations and inequalities with applications, graphing linear equations, systems of linear equations and inequalities, exponents. Other topics may be covered as time permits. Designed as a preparation for intermediate algebra for those students already having mastered real number arithmetic and solution of basic linear equations. No credit toward baccalaureate degree. Prerequisite: One year of high school algebra and score of at least 16 on the ACT Mathematics Section or qualifying score on the Mathematics Placement test.

For additional information contact:
Dr. Kerry D. Johnson • Reynolds Hall 212
417-625-9675 • johnson-k@mssu.edu

MATH 0030 • Intermediate Algebra

Fall, Spring & Summer • 3 Credit Hours

Factoring, solving quadratic equations, operations on polynomials, operations on rational expressions, solving rational equations, operations on radicals, solving radical equations. Prerequisite: A Math ACT score of 19 (or higher) or MATH 020 or MATH 25 with a grade of 'C' or better. No credit towards a baccalaureate degree.

MATH 0119 • Math for Elementary Teachers I

Fall & Spring • 3 Credit Hours

The real number system and its subsystems, relations and functions, numeration systems. Relevant topics from Math 30 are included in the course. Prerequisite: A Math ACT score of 19 (or higher) or MATH 020 with a grade of 'C' or better.

MATH 0120 • Math for Elementary Teachers II

Fall & Spring • 3 Credit Hours

A continuation of MATH 119. Geometric concepts in two and three dimensions, networks, constructions and similarity, probability and an introduction to statistics. This course satisfies the general education mathematics requirement for elementary education majors. Prerequisite: MATH 119 with a grade of 'C' or higher or permission of department.

MATH 0125 • Contemporary Mathematics

Fall, Spring & Summer • 3 Credit Hours

An introduction to various areas of mathematics, such as geometry, statistics, set theory, algebra and other topics. Relevant topics from MATH 030 are included in the course. Satisfies the general education mathematics requirement. Prerequisites: A Math ACT score of 19 (or higher) or MATH 020 with a grade of 'C' or higher.

MATH 0129 • Finite Mathematics

Fall, Spring & Summer • 3 Credit Hours

This course is designed for majors in the School of Business. The main topics for the course include: Functions and graphs (linear, polynomial, exponential, and logarithmic), linear programming, sets and probability, and an introduction to statistics. All topics emphasize applications in a business environment. Prerequisite: A Math ACT score of 22 (or higher) or MATH 030 with a grade of 'C' or higher.

MATH 0130 • College Algebra

Fall, Spring & Summer • 3 Credit Hours

A study of functions and their graphs; including linear and quadratic, polynomial, rational, exponential, and logarithmic functions. Prerequisites: A Math ACT score of 22 (or higher) or MATH 030 with grade of 'C' or higher.

MATH 0135 • Trigonometry

Fall, Spring & Summer • 3 Credit Hours

Trigonometric functions and applications, right triangle trigonometry, radian measure and applications, graphing trigonometric functions, using and verifying trigonometric identities, using sum, difference, half, and double angle formulas, solving trigonometric equations, inverse trigonometric functions, the law of sines and the law of cosines. Prerequisite: A Math ACT score of 22 (or higher) or MATH 030 with grade of 'C' or higher.

MATH 0140 • Algebra and Trigonometry

Fall & Spring • 5 Credit Hours

Equivalent of MATH 130 and MATH 135. Prerequisites: A Math score of 22 (or higher) or MATH 030 with a grade of 'C' or higher. Only two hours credit for students with MATH 135 or MATH 130 credit. No credit for students with credit for MATH 130 and MATH 135.

MATH 0150 • Calculus with Analytic Geometry I

Fall & Spring • 5 Credit Hours

Limits, differentiation, and integration of algebraic and transcendental functions as well as the application of these concepts to real world situations. Prerequisite: MATH 140 (or MATH 130 & 135) with a grade of 'C' or higher or a Math ACT score of 27 (or higher).

MATH 0250 • Calculus with Analytic Geometry II

Fall & Spring • 5 Credit Hours

Differentiation and integration of transcendental functions, parametric equations, conic sections and polar coordinates. Infinite series. Applications to physical problems. Prerequisite: MATH 150 with a grade of 'C' or better.

MATH 0260 • Calculus with Analytic Geometry III

Fall & Spring • 3 Credit Hours

Solid analytic geometry, partial differentiation and multiple integrals. Applications to physical problems. Prerequisite: MATH 250 with a grade of 'C' or better.

MATH 0300 • Fundamentals of Mathematical Thought

Spring • 3 Credit Hours

Introduction to proofs, sets, logic, predicate calculus, relations, partitions, functions, and cardinality. Includes topics in number theory, discrete mathematics, analysis, and algebra. Prerequisite or co-requisite: MATH 260 with a "C" or better.

MATH 0302 • Applied Calculus

Spring • 3 Credit Hours

Calculus applications of differentiation and integration in business, social science, life sciences, and engineering technology. Prerequisites: MATH 129 or MATH 130 with a grade of 'C' or better. Will not count toward a major or minor in mathematics.

MATH 0310 • Elementary Statistics

Fall, Spring & Summer • 3 Credit Hours

Provides a basic statistical background for the various majors for advanced study in their specialties. Topics to be covered include data summary, measures of central tendency and variation, linear regression, and hypothesis testing with applications to health, social, managerial, biological and physical sciences. This course satisfies the General Education Requirements in mathematics. Prerequisite: MATH 120 (or higher) with a grade of 'C' or better.

MATH 0312 • Problems of Teaching Arithmetic in the Elementary Schools

Fall & Spring • 3 Credit Hours

(See EDUC 312 for description.) Will not count toward a major in mathematics. Prerequisite: MATH 119 and completion of Junior Block.

MATH 0315 • Algebraic Structures for Teachers

Summer • 3 Credit Hours

An introduction to modern algebra: Sets, relations and functions, groups, rings, integral domains and fields. The course will emphasize activities that incorporate these topics in the middle school/junior high mathematics curriculum. Will not count toward a major in mathematics. Prerequisite: MATH 150 with a grade of 'C' or better.

MATH 0322 • Differential Equations

Spring • 3 Credit Hours

Ordinary differential equations of first and second order, linear equations with constant coefficients, Laplace transforms, power series solutions, numerical solutions, with applications. Prerequisite: MATH 250 with a grade of 'C' or better.

COURSE DESCRIPTIONS
MATHEMATICS (CONTINUED)

MATH 0330 • History of Math

Fall (Odd) • 3 Credit Hours

A multicultural approach to the history of mathematics from the beginnings to the discovery of Calculus. A study of the people and ideas that have shaped events in mathematics history. Historical and contemporary problems that reinforce ideas and methods of the past and present. Construction of a world map depicting important times and places in history. Prerequisite: MATH 250 with a grade of 'C' or better.

MATH 0332 • Geometry

Fall (Even) • 3 Credit Hours

Geometric theory from a modern axiomatic viewpoint. Includes an introduction to finite, projective, Euclidean and non-Euclidean geometries. Prerequisite: MATH 250 with a grade of 'C' or better.

MATH 0339 • Teaching Mathematics in Secondary Schools

Fall • 3 Credit Hours

Introduction to the instructional planning, materials and methods of teaching mathematics in the secondary schools. Includes brief survey of the history of algebra, discrete mathematics, Euclidean and Non-Euclidean geometry, mesurement, probability and statistics, and calculus. Will not count toward a major in mathematics.

MATH 0340 • Discrete Mathematics

Fall • 3 Credit Hours

Introduction to discrete mathematics which serves as a foundation for topics in computer science. Topics include: foundations of discrete mathematics, algorithms, graphs/trees, Boolean algebra, recurrence relations, combinatatorics, and other topics as time allows. Prerequisite: MATH 260 or consent of the department head.

MATH 0342 • Abstract Algebra

Fall (Odd) • 3 Credit Hours

An introduction to abstract algebra: groups, permutations, cosets, homomorphisms, factor groups, rings, fields, integral domains, and ideals. Prerequisite: MATH 300 with a grade of "C" or better.

MATH 0350 • Introduction to Numerical Analysis

Fall (Even) • 3 Credit Hours

Error analysis, solution of polynomial and transcendental equations, colocation polynomials, matrix methods, numerical differentiation and integration. Prerequisite: MATH 250 with a grade of 'C' or better and CIS 110 or higher with a grade of 'C' or better.

MATH 0351 • Linear Algebra

Spring • 3 Credit Hours

Algebra of linear equations and matrices, vector spaces, linear mappings and transformations, determinants, bilinear and quadratic forms, linear functionals, vector inner products and cross products. Prerequisite: MATH 300 with a grade of 'C' or better.

MATH 0361 • Probability and Statistics I

Fall • 3 Credit Hours

Theory of probability using concepts and methods of calculus. A study of discrete and continuous distributions. The central limit theorem. Prerequisite: MATH 260 with a grade of 'C' or better.

MATH 0371 • Introduction to Operations Research

Fall (Odd) • 3 Credit Hours

Operations research/management science for computer science and mathematics students. Topics includes linear and integer programming, project scheduling, inventory models and queuing theory. Prerequisites: MATH 260 with a grade of C or better and CIS 210 with a grade of C or better or equivalent computer programming ability.

MATH 0375 • Seminar in Advanced Problem Solving

Demand • 1 Credit Hour

Techniques, strategies and reasoning tools useful for solving sophisticated mathematical problems from various areas and combinations of areas of mathematics. Prerequisite: MATH 300 with a grade of 'C' or better.

MATH 0407 • Overcoming Math Anxiety

Demand • 2 Credit Hours

Designed to help students overcome their personal mathematics anxiety, this course will also teach students how to stop the math anxiety cycle for their prospective elementary school students. Using a variety of intervention strategies and instruction in elementary education mathematics and mathematics education pedagogy, the course will enable students to help reduce, prevent and eliminate fear and avoidance of mathematics in future generations of students. Prerequisite: MATH 111 or MATH 119.

MATH 0421 • Introduction to Advanced Calculus

Spring (Odd) • 3 Credit Hours

Methods of real analysis, basic topology of real numbers, sequences and series, the derivative and the Riemann integral. Prerequisite: MATH 300 with a grade of 'C' or better.

MATH 0452 • Mathematical Models

Fall (Even) • 3 Credit Hours

Applying mathematics in formulating and analyzing models for real world problems. Topics include deterministic models, graphs as models, stochastic models and computer simulation. Prerequisite MATH 260 with a grade of 'C' or better and CIS 210 with a grade of 'C' or better or equivalent computer programming ability.

MATH 0462 • Probability and Statistics II

Spring (Even) • 3 Credit Hours

Distributions of discrete and continuous random variables, sampling distributions and estimation of parameters. Investigation of the techniques of hypothesis testing, correlation and regression. Prerequisite: MATH 361 with a grade of 'C' or better.

MATH 0485 • Topics in Mathematics

Spring • 3 Credit Hours

Advanced topics in mathematics. Each year a topic will be chosen from Complex Variables, Number Theory, Partial Differential Equations, Topology and Numerical Analysis, with the possibility of additional topics subject to demand. Prerequisites: MATH 260 with a grade of 'C' or better, with additional prerequisites depending on the topic.

MATH 0498 • Advanced Topics in Mathematics

Demand • 1-3 Credit Hours

Designed to give advanced instruction in some area of mathematics not covered in other courses. For upper division majors. Prerequisites to be determined by the department.

MATH 0499 • Independent Study

Demand • 1-3 Credit Hours

Course structured by the advisor with approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Students must make application several weeks in advance. Registration must be approved by the advisor, department head and school dean. See department head for details.

MODERN LANGUAGES

FACULTY: ***Kilpatrick - Chair, Connolly, Galve-Rivera, Hou, Liso, Smith, Talavera-Ibarra***
Webster Hall • 417-625-3125

Mission

The Department of Modern Languages aims to develop the language and cultural competency of students who learn to navigate effectively cross-cultural situations both at home and abroad. Our faculty offer a quality education in Chinese, French, Japanese and Spanish languages and cultures, which prepares students to work in a variety of fields and to live in the multilingual communties defining our world. Our goal is to help you reach yours.

The Department of Modern Languages offers the Bachelor of Arts degree with majors in French and Spanish. Minors and certificates in Chinese, French, Japanese, and Spanish are available. A Certificate in Medical Interpretation (Spanish/English) is another option available to prospective students. The Department also offers the Bachelor of Science in Education degree in French and Spanish, with the chosen language as a single teaching field or as one of two teaching fields. All modern language majors must demonstrate proficiencies in reading, writing, listening, speaking and cultural protocols in the language of study.

For the Bachelor of Arts and for the Bachelor of Sciences in Education degrees, there is an immersion experience requirement. Opportunities for such programs exist through University-sponsored programs, through the University's membership in the International Student Exchange Program (ISEP) and through internships. The faculty provides close guidance to students in planning such experiences. Through the Institute of International Studies, students may be eligible for grants and/or scholarships to assist in financing these experiences. Immersion programs are open to all students, regardless of major and are also available in Chinese and Japanese.

Students with previous foreign language experience should consult the Department of Modern Languages for current policies on placement in the proper course for the respective language. Students with no prior experience in a foreign language should enroll in a 101 course.

Bachelor of Arts . . . . . Major Code FL00
French Major

General Education Requirements (p. 39) 46-47*..... 43-44
Computer Literacy Requirement (select one)..... 3
CIS 105 Introduction to Microcomputer Use
MGMT 237 Using Information Systems
French Requirements..... 33-36
FREN 102, 203, 204..... 9
FREN 300 Advanced French..... 3
FREN Electives (301 or above)..... 12
Immersion Experience (FREN 350, BIEX or ISEP)..... 6
Supporting Area Electives (300 or above)**..... 3-6
Additional Requirements***
Proficiency examinations (See below)
Electives 41-45
Total Hours.....124****

*Three hours of foreign language fulfill Area I requirement of GER.
**The state and MSSU require at least 30 credit hours with the FREN prefix.
***Additional requirements for the French major are: **1.**Successful completion of proficiency tests. Guidelines are available in the Department of Modern Languages. These guidelines indicate the general areas covered by the proficiency tests and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year. **2.** A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a university-sponsored short-term program, an ISEP semester or year abroad, a program of another accredited college, an internship or another approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.
****Must include 40 upper-division hours.

Bachelor of Arts . . . . . Major Code FL02
Spanish Major

General Education Requirements (p. 39) 46-47*..... 43-44
Computer Literacy Requirement (select one)..... 3
CIS 105 Introduction to Microcomputer Use
MGMT 237 Using Information Systems
Spanish Requirements..... 33
SPAN 102, 203, 204**..... 9
SPAN 300 Spanish Composition & Syntax 3
Spanish Culture (Select one) 3
SPAN 306 Introduction to Spanish Civilization (3)
SPAN 307 Introduction to Latin American Civilization (3)
Oral Proficiency (Select one)..... 3
SPAN 310 Conversation I (3)
SPAN 410 Conversation II (3)
Spanish Literature (select one)***..... 3
SPAN 326 Peninsular Literature from El Cid to the Present (3)
SPAN 336 Survey of Spanish American Literature (3)
Spanish electives chosen with approval of
Spanish advisor at the 300 level or above 12
Additional Requirements****
1. Proficiency examinations (See below)
2. Immersion Experience (See below)
Electives 44-45
Total Hours.....124***

*Three hours of foreign language fulfill Area I requirement of GER.
**SPAN 102, 203, 204 count toward the 12-hour foreign language requirement for the BA degree.
***Or other approved literature courses
****Additional requirements for the Spanish major are: **1**. Successful completion of proficiency tests. Guidelines are available in the Department of Modern Languages. These guidelines indicate the general areas covered by the proficiency tests and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
2. A period of at least one month of residency in a Spanish-speaking country or in a Spanish immersion program. Students may participate in a university-sponsored short-term program, an ISEP semester or year abroad, a program of another accredited college, an internship or another approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.
*****Must include 40 upper-division hours.

Certificate in Medical Interpretation • (Spanish/English)

The certificate requires the student to complete two courses in any order (Spanish 360: Introduction to Medical Interpretation, SPAN 430: Protocol and Procedures of Medical Interpretation or SPAN 440: Translation English/Spanish) in addition to a minimum of 120 hours of internship (an equivalent of 3 credit hours in SPAN 491). The student needs to have the required proficiency level (Intermediate High) defined by the American Council on the Teaching of Foreign Languages (ACTFL) on the Oral Proficiency Interview (OPI) for both Spanish and English and have three writing intensive classes (ENG 101, ENG 102 and SPAN 300 or equivalent) prior to entry into the program.

Minor in Chinese Minor Code.....FL80

A minor in Chinese requires 18 hours of courses in Chinese of which six must be Upper Division.

Minor in French Minor Code.....FL81

A minor in French requires 18 hours of courses in French of which six must be Upper Division.

Minor in Japanese Minor Code.....FL83

A minor in Japanese requires 18 hours of courses in Japanese of which six must be Upper Division.

Minor in Spanish Minor Code.....FL85

SPAN 102, 203 and 204**..... 9
Electives (300 level or above) 9
Total 18

Bachelor of Science in Education ..... Major Code ES20
Spanish Major - Grades K-12 Certification (Single Field)

General Education Requirements (p. 39) 46-47*..... 43-44
Computer Literacy Requirement:
EDUC 301 Technology in Education..... 3
Spanish Requirements..... 33
SPAN 102, 203, 204..... 9
SPAN 300 Spanish Composition and Syntax 3
Spanish Culture (Select one)..... 3
SPAN 306 Introduction to Spanish Civilization (3)
SPAN 307 Introduction to Latin American Civilization (3)
Oral Proficiency (Select one)..... 3
SPAN 310 Conversation I (3)
SPAN 410 Conversation II (3)
Spanish Literature (Select one)*** 3
SPAN 326 Peninsular Literature from El Cid to the Present (3)
SPAN 336 Survey of Spanish American Literature (3)
Spanish Electives chosen with approval of
Spanish advisor at the 300 level or above 12
Additional Requirements****
1. Proficiency examinations (See below)
2. Immersion Experience (See below)
Education Certification Requirements (p. 177) 43**..... 40
Electives 4-5
Total Hours.....124***

* Three hours of foreign language fulfill Area I requirement of GER.
** A candidate for a degree under Plan B must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program and a mentor will be assigned the student.
*** Or other approved literature courses.
**** Additional requirements for the Spanish major are:
1. Successful completion of proficiency tests. Guidelines are available in the Department of Modern Languages. These guidelines indicate the general areas covered by the proficiency tests and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year. 2. Participation in a study abroad experience in a Spanish-speaking country with the approval of the Spanish advisor. Students may participate in a university-sponsored short-term program, an ISEP semester or year abroad, a program of another accredited college or an internship. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.
*****Required course in computer literacy, EDUC 301, satisfies the requirement for three hours.
******Must include 40 upper-division hours.

Certificate in Language Competence Emphasis in Chinese ..... Certificate Code.....ML80

A certificate in language competence, emphasis in Chinese requires 21 credit hours, of which 9 must be upper division with a grade of B or better. Students may take or test out of the basic sequence (101,102,203,204). A score of I2 on all four AAPPL assessments is required.

Certificate in Language Competence Emphasis in French ..... Certificate Code.....ML81

A certificate in language competence, emphasis in French requires 24 credit hours, of which 12 must be upper division with a grade of B or better. Students may take or test out of the basic sequence (101,102,203,204). A score of I3 on all four AAPPL assessments is required.

Certificate in Language Competence Emphasis in Japanese ..... Certificate Code.....ML83

A certificate in language competence, emphasis in Japanese requires 21 credit hours, of which 9 must be upper division with a grade of B or better. Students may take or test out of the basic sequence (101,102,203,204). A score of I2 on all four AAPPL assessments is required.

Certificate in Language Competence Emphasis in Spanish ..... Certificate Code.....ML85

A certificate in language competence, emphasis in Spanish requires 24 credit hours, of which 12 must be upper division with a grade of B or better. Students may take or test out of the basic sequence (101,102,203,204). A score of I3 on all four AAPPL assessments is required.

Bachelor of Science in Education ..... Major Code ES13
French Major - Grades K-12 Certification (Single Field)

General Education Requirements (p. 39) 46-47*..... 43-44
Computer Literacy Requirement:
EDUC 301 Technology in Education..... 3
French Requirements..... 36
FREN 102, 203, 204..... 9
FREN 300 Advanced French 3
FREN Electives (301 or above) 12
Immersion Experience (FREN 350, BIEX or ISEP) 6
Supporting Area Electives (300 or above)** 6
Additional Requirements***
1. Proficiency examinations (See below)
2. Immersion Experience (See below)
Education Certification Requirements (p. 177) 43**..... 40
Electives 1-2
Total Hours.....124***

*Three hours of foreign language fulfill Area I requirement of GER.
**Or other approved literature courses
***Additional requirements for the French major are: **1.** Successful completion of proficiency tests. Guidelines are available in the Department of Modern Languages. These guidelines indicate the general areas covered by the proficiency tests and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year. **2.** A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a university-sponsored short-term program, an ISEP semester or year abroad, a program of another accredited college, an internship or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
****Required course in computer literacy, EDUC 301, satisfies the requirement for three hours.
*****Must include 40 upper-division hours.

COURSE DESCRIPTIONS: -- CHINESE --

CHI 0101 • Beginning Chinese I (Mandarin)

Fall • 3 Credit Hours

Pronunciation, grammar, elementary conversation, development of basic communicative skills. Prerequisite: None.

CHI 0102 • Beginning Chinese II (Mandarin)

Spring • 3 Credit Hours

A continuation of CHI 101. Pronunciation, grammar, elementary conversation. Prerequisite: CHI 101 or equivalent level of proficiency.

CHI 0203 • Intermediate Chinese I (Mandarin)

Fall • 3 Credit Hours

Systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: CHI 102 or equivalent level of proficiency.

CHI 0204 • Intermediate Chinese II (Mandarin)

Spring • 3 Credit Hours

A continuation of Chinese 203. Further systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: CHI 203 or equivalent level of proficiency.

CHI 0298 • Topics in Chinese

Demand • 1-8 Credit Hours

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

CHI 0305 • Readings & Conversation I

Demand • 3 Credit Hours

Continued development of language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: CHI 204 or equivalent level of proficiency.

CHI 0306 • Readings & Conversations II

Demand • 3 Credit Hours

Continuation of Chinese 305. Continued developmentof the four basic language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: CHI 305 or equivalent level of proficiency.

CHI 0498 • Advanced Topics in Chinese

Demand • 1-8 Credit Hours

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: CHI 204 or equivalent level of proficiency.

CHI 0499 • Independent Study

Fall & Spring • 1-3 Credit Hours

Individually directed study in Chinese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, advisor, department head and dean in advance of enrollment.

COURSE DESCRIPTIONS: -- FRENCH --

FREN 0101 • Beginning French I

Fall & Spring • 3 Credit Hours

The first semester of French language instruction developing proficiency in listening, speaking, reading and writing and providing an introduction to the study of French-speaking cultures. Prerequisite: None.

FREN 0102 • Beginning French II

Fall & Spring • 3 Credit Hours

The second semester of French language instruction developing proficiency in listening, speaking, reading and writing and providing an introduction to the study of French-speaking cultures. Prerequisite: FREN 101 or equivalent level of proficiency.

FREN 0203 • Intermediate French I

Fall & Spring • 3 Credit Hours

The third semester of French language instruction developing proficiency in listening, speaking, reading and writing and providing an introduction to the study of French-speaking cultures. Prerequisite: FREN 102 or equivalent level of proficiency.

FREN 0204 • Intermediate French II

Fall & Spring • 3 Credit Hours

The fourth semester of French language instruction developing proficiency in listening, speaking, reading and writing and providing an introduction to the study of French-speaking cultures. Prerequisite: FREN 203 or equivalent level of proficiency.

FREN 0250 • French Conversation & Grammar

Demand • 6 Credit Hours

Intensive practice of basic French vocabulary and structures is combined with visits to sites of cultural or historical interest in the Orleans area. Students will have daily classes in grammar and conversation, supplemented by language lab practice and workshop of their choice. Prerequisite: FREN 102 or the equivalent and a placement test. The course will be offered only as a study abroad option.

FREN 0298 • Topics in French

Demand • 1-8 Credit Hours

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

FREN 0300 • Advanced French

Fall, Spring • 3 Credit Hours

The third semester of French language instruction, honing proficiency in listening, speaking, reading, and writing, and continuing instruction in the study of French-speaking cultures. Prerequisite: French 204 or equivalent level of proficiency.

FREN 0302 • Contemporary French Culture and Civilization

Demand • 3 Credit Hours

Continued development of language skills (listening, speaking, reading and writing). Contemporary France, the daily life of its people, the social and economic institutions which impact them and the arts and media will be the focus for reading and discussion. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0304 • Introduction to French Literature

Demand • 3 Credit Hours

This course is an introduction to basic concepts and terminology of literary criticism through several different critical approaches to the literary text. Reading and discussion of selected poems, plays and fiction representing various literary periods. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0305 • Contemporary Francophone Cultures

Demand • 3 Credit Hours

Analysis of contemporary life in selected French-speaking regions: Quebec, Senegal and Guadeloupe and Martinique. Students will continue to develop their French language skills. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0306 • French Culture & Civilization

Demand • 3 Credit Hours

The course will continue the development of the four basic language skills (listening, speaking, reading and writing). The thematic focus of the class will be the historical, political, social and cultural development of France from its origins to the 20th century. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0309 • French Language (Consortium)

Demand • 3 Credit Hours

French Composition offered by MSU, MSSU, MWSU, SEMO, or UCMO. Syllabus and delivery platform (ITV, hybrid, or online) vary depending on the offering university. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0324 • French Theater Studies

Demand • 3 Credit Hours

Reading, discussion, and performance of plays from France and the Francophone world. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0327 • French Cinema Studies

Demand • 3 Credit Hours

An introductory or advanced survey or topics course in French and/or Francophone cinematographic production. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0350 • Language and Civilization

Demand • 6 Credit Hours

Intensive development of all language skills (listening, speaking, reading and writing) is combined with visits to sites of cultural or historical interest in Orleans and the surrounding chateau region. Cultural and literary topics are introduced. Weekend excursions. Prerequisite: FREN 203 or equivalent level of proficiency. A placement test required. The course will be offered only as a study abroad option.

FREN 0400 • French for Business

Demand • 3 Credit Hours

An introduction to French business terminology, concepts, situations, and procedures. Oral and written activities will continue to develop French language skills within a commercial context. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0402 • Topics in French Literature post 1700

Demand • 3 Credit Hours

A survey of French literature from the eighteenth-century up to our contemporary century, or a treatment of specific topics within this span of time. A student may repeat this course up to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0404 • French Women Writers

Demand • 3 Credit Hours

The course will focus on the reading and discussion of works by selected French and francophone women authors from the twelfth through the twentieth centuries. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0406 • Topics in French Literature pre 1700

Demand • 3 Credit Hours

A single-century or transhistoric survey of French literature spanning anywhere from the medieval period up through the seventeenth-century, or a treatment of specific topics within this range of time. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0407 • Topics in Francophone Literatures

Demand • 3 Credit Hours

An introductory or advanced survey or topics course in Francophone literatures. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0409 • French Literature (Consortium)

Demand • 3 Credit Hours

French Civilization and Literature I or II offered by MSU, MSSU, MWSU, SEMO, or UCMO. Syllabus and delivery platform (ITV, hybrid, or online) vary depending on the offering university. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 429 • French Culture (Consortium)

Demand • 3 Credit Hours

French Cinema offered by MSU, MSSU, MWSU, SEMO, or UCMO. Syllabus and delivery platform (ITV, hybrid, or online) vary depending on the offering university. Prerequisite: FREN 204 or equivalent level of proficiency.

FREN 0430 • French Translation

Demand • 3 Credit Hours

The course will introduce students to both the theoretical and practical aspects of translation. Practice will be given in a variety of genres and will emphasize dynamic accuracy in form and meaning of French to English translation. Prerequisite: FREN 204 and ENG 102 or the equivalent level of proficiency in both languages.

FREN 0491 • Internship in French

Demand • 1-8 Credit Hours

Off-campus work experience in areas related to professional goals of students. For advanced students in French. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisite: A minimum of 18 hours in French with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

FREN 0498 • Advanced Topics in French

Demand • 1-8 Credit Hours

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

COURSE DESCRIPTIONS: -- GERMAN --

GER 0101 • Beginning GermanI

Demand• 3 Credit Hours

An introduction to the basic skills of understanding, speaking, reading and writing in German and to the study of the German speaking cultures. Prerequisite: None.

GER 0102 • Beginning German II

Demand • 3 Credit Hours

A continuation of GER 101. Emphasis on the skills of understanding, speaking, and writing in German and on the study of the German language and cultures. Prerequisite: GER 101 or the equivalent level of proficiency.

GER 0203 • Intermediate German I

Demand • 3 Credit Hours

A continuation of GER 102. Emphasis on the basic skills of understanding, speaking, reading, and writing in German and on the study of the German speaking cultures at the intermediate level. Prerequisite: GER 102 or the equivalent level of proficiency.

GER 0204 • Intermediate German II

Demand • 3 Credit Hours

A continuation of GER 203. Emphasis on the basic skills of understanding, speaking, reading, and writing in German and on the study of the German speaking cultures, continuing at the intermediate level. Prerequisite: GER 203 or the equivalent level of proficiency.

COURSE DESCRIPTIONS: -- JAPANESE --

JPN 0101 • Beginning Japanese I

Fall • 3 Credit Hours

Pronunciation, conversation and grammar. Aural/oral drill. Prerequisite: None.

JPN 0102 • Beginning Japanese II

Spring • 3 Credit Hours

Continuation of Japanese 101. Additional work in pronunciation, conversation and grammar. Aural/oral drill. Prerequisite: JPN 101 or equivalent level of proficiency.

JPN 0203 • Intermediate Japanese I

Fall • 3 Credit Hours

Grammar review and continued aural/oral practice. Prerequisite: JPN 102 or equivalent level of proficiency.

JPN 0204 • Intermediate Japanese II

Spring • 3 Credit Hours

Continuation of Japanese 203 with additional grammar review and continued aural/oral practice. Prerequisite: JPN 203 or equivalent level of proficiency.

JPN 0298 • Topics in Japanese

Demand • 1-8 Credit Hours

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

JPN 0305 • Advanced Japanese I

Demand • 3 Credit Hours

First half of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: JPN 204 or placement test.

JPN 0306 • Advanced Japanese II

Demand • 3 Credit Hours

Conclusion of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: JPN 305 or placement test.

JPN 0498 • Advanced Topics in Japanese

Demand • 1-8 Credit Hours

For upper-division students. Topics to be announced each time the course is offered. Prerequisites are determined by the department and stipulated in the syllabus.

JPN 0499 • Independent Study

Fall & Spring • 1-3 Credit Hours

Individually directed study in Japanese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, advisor, department head and dean in advance of enrollment.

COURSE DESCRIPTIONS: -- SPANISH --

SPAN 0100 • Workplace and Travel Spanish

Fall, Spring & Demand • 3 Credit Hours

Introductory course that will familiarize students with the basic elements of spoken Spanish, Spanish customs, culture and social behaviors focusing on workplace and travel interactions. Some grammar and structural patterns will be taught in this course. Fulfills General Education Requirements Area I.

SPAN 0101 • Beginning Spanish I

Fall & Spring• 3 Credit Hours

This course is the first semester of Spanish language instruction. The course aims to develop skills in listening, speaking, reading and writing, as well as to expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: None.

SPAN 0102 • Beginning Spanish II

Fall & Spring • 3 Credit Hours

This course is the second semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading and writing and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 101 or equivalent level of proficiency.

SPAN 0203 • Intermediate Spanish I

Fall & Spring • 3 Credit Hours

This course is the third semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading and writing and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 102 or equivalent level of proficiency.

COURSE DESCRIPTIONS: -- SPANISH (CONTINUED)--

SPAN 0204 • Intermediate Spanish II

Fall & Spring • 3 Credit Hours

This course is the fourth semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading and writing and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 203 or equivalent level of proficiency.

SPAN 298 • Topics in Spanish

Demand • 1-8 Credit Hours

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

SPAN 0300 • Grammar and Composition

Fall & Spring • 3 Credit Hours

Initial oral and written composition with emphasis on grammar; verbal aspect, modals and tense contrasts through significant practice and sentence drills. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.

SPAN 0301 • Introduction to Literature and Spanish Language Review

Demand • 3 Credit Hours

This course is designed to serve as a bridge between the basic language Spanish courses and upper level literature and composition courses, including SPAN 300. Students will review and refine their usage of grammar previously taught while learning the vocabulary and analytical skills necessary in the study of literature written in Spanish. The course is taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.

SPAN 0306 • Introduction to Spanish Civilization

Fall • 3 Credit Hours

Continued development of the four basic language skills through reading and conversation in Spanish culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.

SPAN 0307 • Introduction to Latin American Civilization

Spring • 3 Credit Hours

Continued development of the four basic language skills in the language through reading and conversation in Latin American Culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.

SPAN 0310 • Conversation I

Fall • 3 Credit Hours

Emphasis on the basic survival skills of understanding, speaking and reading in Spanish and on the study of the Spanish speaking cultures. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.

SPAN 0320 • Conversations and Readings

Demand • 3 Credit Hours

Emphasis is on the improvement of conversational skills using cultural readings and short stories as the catalysts for intermediate level discourse. The course will be offered abroad. Prerequisites: SPAN 204 or equivalent level of proficiency.

SPAN 0326 • Peninsular Literature from El Cid to the Present

Spring • 3 Credit Hours

Spain's literary history and important representative works and writings from El Cid to the present. Taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency.

SPAN 0336 • Survey of Spanish American Literature

Fall • 3 Credit Hours

Survey of Spanish American literature from its beginnings to the present. Taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency.

SPAN 0340 • Latin American Cinema

Demand • 3 Credit Hours

A survey of the most important aspects of cinematography and cinematographic production in Latin America. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Special emphasis will be placed on the cultural context that made the reception and production of the motion pictures a significant event. The course is to be taught entirely in Spanish with readings in both Spanish and English. Prerequisite: SPAN 204 or equivalent level of proficiency.

SPAN 0350 • Latin American Contemporary Issues

Demand • 3 Credit Hours

Current Latin American issues studied with the goal of developing consciousness about the last 30 years of Latin American reality from the perspective of the people. Taught in Spanish with some materials in English. Uses written articles, the Internet and World Wide Web, the Latin American press and movies. Prerequisite: SPAN 300 or equivalent level of proficiency.

SPAN 0360 • Introduction to Medical Interpretation (Spanish/English)

Demand • 3 Credit Hours

This course prepares students to interpret and culturally mediate a variety of medical situations. The course will be taught in Spanish. Prerequisites: Intermediate High language skills on the Oral Proficiency Interview as defined by the American Council on the Teaching of Foreign Languages, ENG 101 & ENG 102 or equivalent, SPAN 300 or equivalent.

SPAN 0375 • Latin American Folklore

Demand • 3 Credit Hours

Introduction to the folklore stories of Latin America from pre-Colombian societies through the contemporary period. Analysis and discussions focus on historical, religious and cultural events and the development of myths and legends within Latin American civilization. The course is taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency. Course may be offered with a study abroad option.

SPAN 0399 • Spanish Study Abroad

Demand • 1-12 Credit Hours

Academic credit(s) will be granted to individuals who complete one or two semesters of a university sponsored study abroad program in a Spanish speaking country. Course(s) taught in Spanish and completed abroad that are listed as upper division general electives on the student transcript may be amended as Spanish Study Abroad credit(s) to fulfill up to 12 hours of Spanish upper division elective credit. Prerequisite: Must have completed 60 hours prior to the study abroad experience and SPAN 204 or its equivalent. The proposed courses for the study abroad experience must be approved in advance by the academic advisor and the department head.

For additional information contact:
Dr. James Kilpatrick • Webster Hall 338
417-625-9667 kilpatrick-j@mssu.edu

SPAN 0400 • Hispanic Drama

Demand • 3 Credit Hours

Select works from Spain and Spanish America's most prominent playwrights. Readings and lectures with discussion on the socio-economic, political and cultural implications of different plays. Taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency.

SPAN 0410 • Conversation II

Spring • 3 Credit Hours

Spanish language and culture in the framework of the students' potential areas of contact: personal, travel and occupational. Conversation is the major course component. Taught in Spanish. Prerequisite: SPAN 300, SPAN 310 or equivalent level of proficiency.

SPAN 0420 • Advanced Grammar and Composition

Demand • 3 Credit Hours

Advanced study of the three major components of Spanish grammar, with emphasis on: verbal moods, lexical items, the effects of stress, idiomatic usage orthography, the principles of translation and composition. Prerequisite: SPAN 300 or equivalent level of proficiency.

SPAN 0430 • Protocol and Procedures of Medical Interpretation (Spanish/English)

Demand • 3 Credit Hours

This course is an introduction to the general principles, procedures, roles and ethical behaviors of medical interpreters. This course is taught in Spanish. Prerequisites: Intermediate High language skills on the Oral Proficiency Interview as defined by the American Council on the Teaching of Foreign Languages, ENG 101 & ENG 102 or equivalent, SPAN 300 or equivalent.

SPAN 0440 • Translation Spanish/English

Demand • 3 Credit Hours

Introduction to the general principles, procedures, theories and tools of translating. Students will translate a wide variety of short texts from English to Spanish or from Spanish to English. Some basic principles of linguistics will be covered. Prerequisites: Excellent English language skills and the completion of SPAN 300 or equivalent proficiency.

SPAN 0491 • Internship in Spanish

Demand • 1-8 Credit Hours

Off-campus work experience in areas related to professional goals of students. For advanced students in Spanish. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in Spanish with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

SPAN 0498 • Advanced Topics in Spanish

Demand • 1-8 Credit Hours

This course is for upper-division students. Topics to be announced each time the course is offered. Prerequisite: As stated in the syllabus for the specific offering.

SPAN 0499 • Independent Study

Fall & Spring • 1-3 Credit Hours

Individually directed study in selected areas for advanced majors in Spanish. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and must have 15 hrs. in Spanish at any level. The proposed study must be approved by instructor, advisor, department head and school dean prior to enrollment.

COURSE DESCRIPTIONS: MODERN LANGUAGES (MISC)

OL 0298 • Topics in Foreign Languages

Demand • 1-8 Credit Hours

Languages not currently a part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific target language will be structured with the objective of developing the speaking, understanding, reading and writing skills of the student in the target language. Each offering will have a syllabus stating specific requirements of the course as well as prerequisites.

OL 0498 • Advanced Topics in Foreign Languages

Demand • 1-8 Credit Hours

Advanced studies in foreign languages and literatures not currently part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific language will be structured with the objective of developing further the speaking, understanding, reading and writing skills of the student in the target language, as well as developing a further awareness of the literature of the specific language. Each offering will have a syllabus stipulating specific requirements of the course as well as prerequisites.

MUSIC

FACULTY:

Talley - Chair, Cotter, M Espinosa, R Espinosa, Green, Macomber, Neely, Sharlow, Sisk, Smith, Snodgrass, Wilson, Wise

Fine Arts Building • 417-625-9318

Mission

The Music Department of Missouri Southern State University seeks to serve the University and its many constituents, in the following ways: by providing access to a general foundation in music education, by providing professional preparation to individuals interested in selected fields of study within the discipline of music, by providing an environment of cultural enrichment and by providing departmental support to the institutional commitment of the International Mission. The Music Department acknowledges these activities as parts of its Mission:

- music performance
- teacher preparation
- community involvement
- the consistent delivery of a quality-driven curriculum
- support of the institutional International Mission through travel, studies conducted abroad, international performance and studies directed in support of the International Semester
- promote varied musical opportunities grounded in the Liberal Arts

The Department of Music offers 2 Bachelor of Arts degrees and a Bachelor of Science in Education degree with a major in Music. Each degree prepares graduates for performance, studio teaching and/or continued study toward an advanced degree. In addition, the Bachelor of Science in Education degree prepares graduates for teaching in public education.

All music majors (with exception of piano majors) are required to pass a piano proficiency examination prior to graduation. Students must continue to enroll in piano courses regardless of credit requirements until piano proficiency is passed.

A provable equivalency for up to 4 semesters credit of MUS 240 (Recital Attendance) may be substituted by transfer students whose institution of orgin does not have a similar recital attendance program stipulated in their curriculum.

Bachelor of Science in Education . . . . . Major Code ES14
Music Major - Grades K-12 Certification
Single Teaching Field • Option One - Instrumental Emphasis

General Education Requirements (p. 39) 46-47@ ... 40-41		
Music Requirements		67
MUS 106	World Music^	3
MUS 111	Music Theory I	4
MUS 112	Music Theory II*	4
MUS 182	Conducting Techniques*	2
MUS 211	Music Theory III*	3
MUS 212	Music Theory IV*	3
MUS 231	String Techniques	1
MUS 232	Brass Techniques	1
MUS 233	Percussion Techniques^^	1
MUS 234	Woodwind Techniques	1
MUS 240	Recital Attendance (7 semesters)	0
MUS 311	History of Music I*	3
MUS 312	History of Music II*	3
MUS 333	Music for the Elementary Grades**	2
MUS 411	Marching Band Methods*	2
MUS 413	Instrumental Music Methods	2
MUS 420	Form and Analysis*	3
MUS 433	Instrumental & Vocal Arranging*	4
MUS 444	Advanced Instrumental Conducting*	2
MUS 450	Senior Recital*	0
Large Ensemble (7 semesters)***		7
Private study as a major in one area (7 semesters)		14
MUS 103,104,203 and/or applied piano elective#		2
Professional Education Requirements (p. 177) 43##		40
Total		147-148

@General Education Requirement for Area E2 must be satisfied by PSY 100.
^Fulfills the General Education Requirement in Area F1 Humanities & Fine Arts.
^^Percussion majors must substitute a 2nd semester of MUS 232 or 234.
*See Prerequisites
**Must be completed prior to the Professional Semester of supervised teaching.
***Must be taken the 7 semesters immediately prior to the student teaching semester. Brass, Woodwind or Percussion majors must take band; string majors may take band or choir.
#Piano majors must take 2 semester hours of private study on a wind instrument or the equivalent in lieu of the applied piano elective.
##EDUC 280 fulfills the General Education Requirement for Area I Institutional Requirements.

Bachelor of Science in Education . . . . . Major Code ES22
Music Major - Grades K-12 Certification
Single Teaching Field • Option Two - Vocal Emphasis

General Education Requirements (p. 39)@ 46-47 ... 40-41		
Music Requirements		67
MUS 106	World Music^	3
MUS 111	Music Theory I	4
MUS 112	Music Theory II*	4
MUS 182	Conducting Techniques*	2
MUS 211	Music Theory III*	3
MUS 212	Music Theory IV*	3
MUS 240	Recital Attendance (7 semesters)	0
MUS 309	Choral Techniques*	2
MUS 311	History of Music I*	3
MUS 312	History of Music II*	3
MUS 333	Music for the Elementary Grades**	2
MUS 409	Choral Literature*	2
MUS 420	Form and Analysis*	3
MUS 433	Instrumental & Vocal Arranging*	4
MUS 443	Advanced Choral Conducting*	2
MUS 450	Senior Recital*	0
MUS 121-122/321-322 Consert Chorale (7 semesters)***		7
Private study in one major area (7 semesters)		14
MUS 103, 104, 203 and applied piano elective#		6
Professional Education Requirements (p. 177)43##		40
Total		147-148

@General Education Requirement for Area E2 must be satisfied by PSY 100.
^Fulfills the General Education Requirement in Area F1 Humanities & Fine Arts.
*See Prerequisites
**Must be completed prior to the Professional Semester of supervised teaching.
***Must be taken the 7 semesters immediately prior to the student teaching semester.
#Piano majors must take 6 semester hours of private voice study or the equivalent in lieu of the applied piano elective.
##EDUC 280 fulfills the General Education Requirement for Area I Institutional Requirements.

Bachelor of Arts . . . . . Major Code MU00
Music Major

General Education Requirements (p. 39)46-47^..... 40-41

Modern Language (four courses in one language)		12
Music Requirements		71-72
MUS 106	World Music^	3
MUS 111	Music Theory I	4
MUS 112	Music Theory II*	4
MUS 182	Conducting Techniques*	2
MUS 211	Music Theory III*	3
MUS 212	Music Theory IV*	3
MUS 240	Recital Attendance (8 semesters)	0
MUS 311	History of Music I*	3
MUS 312	History of Music II*	3
MUS 420	Form and Analysis*	3
MUS 433	Instrumental & Vocal Arranging*	4
MUS 443	Advanced Choral Conducting*	2
OR		
MUS 413	Instrumental Music Methods(2)*	
MUS 444	Advanced Instrumental Conducting*	2
OR		
MUS 309	Choral Techniques(2)*	
MUS 450	Senior Recital*	0
Large Music Ensemble (8 semesters)**		8
Private study in one area (8 semesters)		16
MUS 103, 104, 203 and/or applied piano elective#		4
Music Electives#		7-8
Total		124

^Fulfills general education requirement in Area F1, 3 hours modern language fulfills Area I..
*See prerequisites.
**Must be taken the last eight semesters of residency.
#Piano majors must take 4 semester hours of music electives in lieu of the applied Piano elective. This is in ADDITION to the 4 credits of music electives required of all BA music majors.

Bachelor of Arts . . . . . Major Code MU01
Music Industry Major

General Education Requirements (p. 39)46-47^. . . 40-41

Modern Language (four courses in one language)		12
Business Courses.		26
ACCT 201	Principles of Financial Accounting.	3
ENT 202	Business Opportunities and Innovation.	1
ENT 210	The Management Process for Entrepreneurs	1
GB 301	Legal Environment of Business I.	3
GB 320	Business Communication*	3
MGMT 237	Using Information Systems*	3
MGMT 350	Fundamentals Of Organizational Management*	3
MRKT 300	Principles of Marketing*	3
MRKT 401	Integrated Marketing Communication*	3
MRKT 405	eMarketing*	3
Music Requirements		38-39
MUS 106	World Music^	3
MUS 111	Music Theory I.	4
MUS 112	Music Theory II*	4
MUS 240	Recital Attendance (4 semesters)	0
MUS 311	History of Music I*	3
MUS 312	History of Music II*	3
MUS 410	Music Industry & Copyright	2
MUS 412	Music Technology	2
MUS 491	Internships in Music Industry.	3-4
Large Music Ensemble (4 semesters)		4
Private study in one major area (4 semesters)		8
MUS 103/104-203 Class Piano/Applied Piano Elective#		2
Additional Requirements		9
CIS 110	Programming I.	3
CIS 308	Website Administration I	3
TH 382	Sound Design*	3
Total		125-127

^Fulfills general education requirement in Area F1, 3 hours modern language fufills area I.
*See Prerequisites
It is STRONGLY recommended that students take Class Piano 203 if Piano proficiency has not been passed after two semesters of Class Piano. Note: the music content within this degree DOES NOT meet minimum requirements for the BA in Music degree. The minimum undergraduate music requirements permitting pursuit of a graduate degree in music would not be met by this degree track.

Bachelor of Science in Education . . . . . Major Code ES11
Music Major - Grades K-12 Certification • Single Teaching Field
Option Three - Double Certification (Vocal/ Instrumental)

General Education Requirements (p. 39) 46-47@ ... 40-41

Music Requirements		85
MUS 106	World Music^	3
MUS 111	Music Theory I	4
MUS 112	Music Theory II*	4
MUS 182	Conducting Techniques*	2
MUS 211	Music Theory III*	3
MUS 212	Music Theory IV*	3
MUS 231	String Techniques	1
MUS 232	Brass Techniques	1
MUS 233	Percussion Techniques^^	1
MUS 234	Woodwind Techniques	1
MUS 240	Recital Attendance (7 semesters)	0
MUS 309	Choral Techniques*	2
MUS 311	History of Music I*	3
MUS 312	History of Music II*	3
MUS 333	Music for the Elementary Grades**	2
MUS 409	Choral Literature*	2
MUS 411	Marching Band Methods*	2
MUS 413	Instrumental Music Methods	2
MUS 420	Form and Analysis*	3
MUS 433	Instrumental & Vocal Arranging*	4
MUS 443	Advanced Choral Conducting*	2
MUS 444	Advanced Instrumental Conducting*	2
MUS 450	Senior Recital*	0
Large Ensemble (7 semesters)***		7
Private study as a major in one area (7 semesters)		14
Private study in one major secondary area (4 semesters)		8
MUS 103,104,203 and/or applied piano elective#		6
Professional Education Requirements (p. 177)43##		40
Total		165-166

@General Education Requirement for Area E2 must be satisfied by PSY 100.
^Fulfills the General Education Requirement in Area F1 Humanities & Fine Arts.
^^Percussion majors must substitute a 2nd semester of MUS 232 or 234.
*See Prerequisites
**Must be completed prior to the Professional Semester of supervised teaching.
***Must be taken the 7 semesters immediately prior to the student teaching semester.
#Piano majors must take 2 semester hours of private study on a wind instrument or the equivalent in lieu of the applied piano elective.
##EDUC 280 fulfills the General Education Requirement for Area I Institutional Requirements.

Minor in Music

Minor Code.....MU80

MUS 111	Music Theory I	4
MUS 112	Music Theory II	4
Large Ensemble		4
Applied Music Elective (2 Semesters)		2
Music Electives*		7
Total		**21**

*Must be made with prior approval of music advisor, 6 must be Upper Division.



COURSE DESCRIPTIONS: *MUSIC*

MUS 0101 • Jazz Styles & Appreciation

Spring • 3 Credit Hours

This survey course is geared to the non-musician and explores the stylistic periods of jazz as well as it most influential performers, starting with its roots in the music of West Africa through the years of Dixieland, Swing, Bebop, Cool and Progressive Jazz. Music literature, style and performance are examined, along with the lives of significant composers/musicians and their impact on the cultural, philosophical and aesthetic issues of their day.

MUS 0102, 0202, 0302, 0402 • Opera or Musical Theatre Performance

Demand • 1 Credit Hour

Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)

MUS 103 • Class Piano I

Fall • 1 Credit Hour

Beginning piano for majors with little or no background. Emphasis on keyboard orientation, intervallic reading and I, IV, V chord structures.

MUS 104 • Class Piano II

Spring • 1 Credit Hour

A continuation of Class Piano 103. Emphasis on improving reading skills and musicianship. Includes elementary repertoire, harmonization and accompaniment. Prerequisite: MUS 103 or approval of instructor.

MUS 0106 • World Music

Fall & Spring • 3 Credit Hours

An ethnomusicological survey of select indigenous musics and their cultures. The musical cultures selected for study are not those found in Eurocentric (Western art) musics. There are no prerequisites.

MUS 0110 • Music Appreciation

Fall, Spring & Summer• 3 Credit Hours

A survey of masterpieces of Western musical literature; intended for non-music major.

MUS 0111 • Music Theory I

Fall • 4 Credit Hours

Basic fundamentals of music with initiation of harmonic analysis, partwriting and ear training. Basic course for music majors; others by consent of instructor.

MUS 0112 • Music Theory II

Spring • 4 Credit Hours

Sequential course in written harmony, including inversion, seventh chords, non-harmonic tones and ear training. Prerequisite: MUS 111.

MUS 0121 & 0321 / 0122 & 0322 • Concert Chorale

Fall (121 & 321) • Spring (122 & 322)• 1 Credit Hour

Open to all university students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times.

MUS 0133 • Opera

Demand • 2 Credit Hours

History, production and performance of one act operas, operatic excerpts, musicals and light opera. Academic concentration the first six weeks on opera history and opera production with the last 10 weeks focusing upon the particular opera selected for production the spring semester of that year.

MUS 0141 & 0341 / 0142 & 0342 • Jazz Orchestra

Fall & Summer (141 & 341) • Spring (142 & 342) • 1 Credit Hour

A jazz ensemble open to all students who are qualified instrumentalists. The Jazz Orchestra will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times. Co-requisite: MUS 191, 391, 192 or 392.

MUS 0151 & 0351 / 0152 & 0352 • Orchestra

Fall (151 & 351) • Spring (152 & 352) • 1 Credit Hour

Open to all qualified students who play orchestral instruments. Rehearsal and public performance of standard orchestral literature. Prerequisites: Permission of director of orchestra. Lower division may be taken twice for credit and upper division three times.

MUS 0161 & 0361 / 0162 & 0362 • Jazz Unlimited

Fall (161 & 361) • Spring (162 & 362) • 1 Credit Hour

Jazz Unlimited, the highly-select popular music ensemble, provides the serious singer the opportunity to prepare and present a variety of jazz, Broadway, popular music, and Renaissance madrigals. A small recruitment tour happens in both semesters. Prerequisite: Audition at the start of the semester. Co-requisite: Concert Chorale MUS 121, 321 (F) and 122, 322 (S).

MUS 0171 & 0371 / 0172 & 0372 • Brass Choir

Fall (171 & 371) • Spring (172 & 372) • 1 Credit Hour

Open to all students with band instrument experience. Performance of literature for brass ensemble. Lower division may be taken twice for credit and upper division three times.

MUS 0182 • Conducting Techniques

Spring • 2 Credit Hours

Baton technique, factors in interpretation, score reading and rehearsal procedures for instrumental and vocal organizations. Included is experience conducting live rehearsals. Prerequisite: MUS 211.

MUS 0183 & 0383 / 0184 & 0384 • Percussion Ensemble

Fall (183 & 383) • Spring (184 & 384) • 1 Credit Hour

Select chamber ensemble open to percussion majors and other qualified percussionists. Includes the study and performance of a cross-section of literature for percussion ensemble to include classical, popular and ethnic styles. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times.

MUS 0185 & 0385 / 0186 & 0386 • Woodwind Chamber Ensemble

Fall (185 & 385) • Spring (186 & 386) • 1 Credit Hour

Select chamber ensemble open to woodwind majors and other qualified woodwind performers. Includes the study and performance of literature for various woodwind ensembles including classical, romantic and 20th century music. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times.

MUS 0187 & 0387 / 0188 & 0388 • Wind Ensemble

Fall (187 & 387) • Spring (188 & 388) • 1 Credit Hour

This select ensemble is open to instrumental music majors and non-majors of qualified musical ability. The ensemble will study and perform challenging wind ensemble and symphonic band literature from the baroque, classical, romantic and 20th century contemporary music. The ensemble will prepare and present several concerts during the year. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times.

COURSE DESCRIPTIONS: MUSIC (CONTINUED)

MUS 0191, 0391 • Marching Band

Fall • 1 Credit Hour

Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times.

MUS 0192, 0392 • Concert Band

Spring • 1 Credit Hour

Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Lower division may be taken twice for credit and upper division three times.

MUS 203 • Class Piano III

Fall & Spring • 1 Credit Hour

A continuation of Class Piano 104. Emphasis on developing the skills required to pass the Piano Proficiency Exam. Repeatable until piano proficiency is achieved. Prerequisite: MUS 104 or approval of the instructor.

MUS 0211 • Music Theory III

Fall • 3 Credit Hours

Secondary dominant functions, augmented sixth chords, advanced chromatic and enharmonic modulation, introduction to contemporary styles and short original compositions. Prerequisite: MUS 112.

MUS 0212 • Music Theory IV

Spring • 3 Credit Hours

A study of selected contemporary styles: pan-triadic, bitonal and poly-chordal, quartal harmony, pandiatonicism, serial techniques and short original compositions. Prerequisite: MUS 211.

MUS 0220 • Italian and German Vocal Diction

Fall (Odd) • 2 Credit Hours

Applied voice students receive instruction in the correct pronunciation of Italian and German, as used in the study of vocal literature.

MUS 0221 • French and German Diction

Spring (Even) • 2 Credit Hours

Applied voice students receive instruction in the correct pronunciation of French and English, as used in the study of vocal literature.

MUS 0231 • String Techniques

Spring (Even) • 1 Credit Hour

Class instruction in the string instruments, including a study of methods and materials to be used in the teaching of beginning students.

MUS 0233 • Percussion Techniques

Spring (Odd) • 1 Credit Hour

Class instruction in the percussion instruments, including a study of methods and materials to be used in the teaching of beginning students. Not open to percussion majors.

MUS 0330 • Vocal Pedagogy

Spring (Odd) • 2 Credit Hours

An introduction to the science and teaching of singing. Emphasis is placed upon the study of the physiology and anatomy, breathing and phonation and acoustics of the vocal instrument as well as the pedagogical approaches to training the singing voice.Prerequisites: MUS 111 and MUS 112.

MUS 0232 • Brass Techniques

Fall (Odd) • 1 Credit Hour

Class instruction in the brass instruments, including a study of methods and materials to be used in the teaching of beginning students.

MUS 0234 • Woodwind Techniques

Fall (Even) • 1 Credit Hour

Class instruction in the woodwind instruments, including a study of methods and materials to be used in the teaching of beginning students.

MUS 0240 • Recital Attendance

Fall & Spring • 0 Credit Hours

Attendance at designated afternoon and evening recitals and concerts is required of all music majors each semester. BSE majors may take the course seven times for credit; BA performance majors may take the course eight times for credit, BA music industry majors may take the course four times for credit.

MUS 0243 • Musical Theatre

Fall (Odd) • 3 Credit Hours

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music and dance techniques needed for musical productions and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production in the spring semester of that school year. Course also offered under TH 243.

MUS 0298 • Topics in Music

Demand • 1-3 Credit Hours

Study of special topics in music not included in another course. Prerequisite: Permission of instructor.

MUS 0309 • Choral Techniques

Fall (Even) • 2 Credit Hours

Designed to formulate principles for directing secondary and adult choral ensembles. Covers motivational techniques, including body language, verbal skills, understanding of the vocal mechanism and the function of rhythm in the musical phrase. Explores various organizational methods, rehearsal procedures and teaching materials. Also includes conducting techniques conducive to encouraging proper vocal technique. Prerequisite: MUS 182.

MUS 0311 • History of Music I

Fall (Even) • 3 Credit Hours

General survey of history of music from Greek period to 18th century. Prerequisite: MUS 112.

MUS 0312 • History of Music II

Spring (Odd) • 3 Credit Hours

From 18th century to the present. Score reading required. Prerequisite: MUS 112.

MUS 0320 Vocal Repertoire

Fall (Even) • 2 Credit Hours

Applied voice students are exposed to various musical repertoire styles and genres. Students will both research and perform repertoire unfamiliar to them in order to expand their understanding of vocal repertoire. Prerequisites: MUS 111 and MUS 112.

MUS 0332 • Music for the Elementary School

Fall & Spring • 2 Credit Hours

Methods of teaching music in the elementary classroom and a study of materials to be used. (Not designated for Music Majors.)

COURSE DESCRIPTIONS: MUSIC (CONTINUED)

MUS 0333 • Music for the Elementary Grades

Spring (Even) • 2 Credit Hours

Methods of teaching music in the elementary classroom and a study of materials to be used. Restricted to music majors and advanced music students. Prerequisite: MUS 112.

MUS 0409 • Choral Literature

Spring (Even) • 2 Credit Hours

Study of choral and vocal chamber literature from the early Renaissance through the twentieth century. Concentrate on performance styles of various types of choral literature. Prerequisite: MUS 211.

MUS 410 • Music Industry and Copyright

Fall (Even) & Demand • 2 Credit Hours

For music majors or related minors. Includes the study of career paths within the music industry, networking, copyright and intellectual property issues and music industry resources. Prerequisites: MUS 112, junior standing or permission of instructor.

MUS 0411 • Marching Band Methods

Fall (Odd) • 2 Credit Hours

Procedures needed in organization, promotion, equipping, rehearsing and performance of a marching band including study of musical repertoire and charting of field maneuvers. For music majors; others by consent of instructor. Prerequisite: 2 semesters marching band. Co-requisite: MUS 391.

MUS 0412 • Music Technology

Spring (Odd) & Demand • 2 Credit Hours

For music majors or related minors. Includes the study of music notation programs, midi programs and sequencing, audio editing, recording techniques and applications and applications of technology. Prerequisites: MUS 112, junior standing or permission of instructor.

MUS 0413 • Instrumental Music Methods

Fall (Even)• 2 Credit Hours

Acquaints instrumental music education majors with the administration and supervision of the instrumental program through the high school level. Content includes curriculum, schedules, budget, instructional techniques, classroom management, public relations, philosophy and psychology as they relate to instrumental music education. Prerequisite: MUS 182.

MUS 0415 • Woodwind Literature and Pedagogy

Spring • 3 Credit Hours

In this course students will study the major works written for the instruments of the woodwind family, as well as study of the more advanced concepts and techniques fundamental to teaching the instruments of the woodwind family. Pre-requisite: MUS 212 Music Theory IV.

MUS 0420 • Form and Analysis

Fall (Odd) • 3 Credit Hours

Harmonic and formal analysis of composition from the Baroque Era through contemporary music. Prerequisite: MUS 212.

MUS 0433 • Instrumental & Vocal Arranging

Spring (Even) • 4 Credit Hours

An in-depth study of wind, string and percussion instruments. Scoring for various instrumental and vocal combinations. Prerequisite: MUS 211.

MUS 0443 • Advanced Choral Conducting

Spring (Odd) • 2 Credit Hours

Conducting techniques specifically related to choral music. Prerequisite: MUS 182 hrs. cr.

MUS 0444 • Advanced Instrumental Conducting Techniques

Fall (Even) • 2 Credit Hours

Conducting skills, including irregular beat patterns, advance technical problems and methods developed for solving them. Prerequisite: MUS 182.

MUS 0450 • Senior Recital

Fall & Spring • 0 Credit Hours

A solo recital is required of all music majors. The recital is to be given within the last year of residency. Co-requisite: MUS 417, 427, 437, 447, 467, 418, 428, 438, 448, 458 or 468.

MUS 491 • Internship in Music Industry

Fall, Spring & Summer • 3-4 Credit Hours

For music majors. Includes the application of materials and fundamentals in a real world experience. Students will choose from the areas of: arts or artist management, music retail, arts related manufacturing and sales, recording industry and technology, theatrical industry and contemporary church music ministry for cooperative experience. Prerequisites: MUS 410, MUS 412, MGMT 350. Course may be repeated one time for a maximum of six credit hours.

MUS 0498 • Advanced Topics in Music

Demand • 1-3 Credit Hours

For upper division music majors or related majors. Topics and methods not included in other courses. Permission of instructor is required.

MUS 0499 • Independent Study

Fall & Spring • 1-3 Credit Hours

Designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Prerequisite: See General Regulations in the catalog.

Applied Music Major (Private Lessons)

Private study in: Brass, Piano, Percussion, String, Woodwind and Voice. All lower division applied music offerings may be taken twice for credit and upper division three times.

MUS 0217, 0417	(S)	Applied Music Brass Major	2	hrs.	cr.
MUS 0227, 0427	(S)	Applied Music Piano Major	2	hrs.	cr.
MUS 0237, 0437	(S)	Applied Music Percussion Major	2	hrs.	cr.
MUS 0247, 0447	(S)	Applied Music String Major	2	hrs.	cr.
MUS 0257, 0457	(S)	Applied Music Woodwind Major	2	hrs.	cr.
MUS 0267, 0467	(S)	Applied Music Voice Major	2	hrs.	cr.
MUS 0218, 0418	(F)	Applied Music Brass Major	2	hrs.	cr.
MUS 0228, 0428	(F)	Applied Music Piano Major	2	hrs.	cr.
MUS 0238, 0438	(F)	Applied Music Percussion Major	2	hrs.	cr.
MUS 0248, 0448	(F)	Applied Music String Major	2	hrs.	cr.
MUS 0258, 0458	(F)	Applied Music Woodwind Major	2	hrs.	cr.
MUS 0268, 0468	(F)	Applied Music Voice Major	2	hrs.	cr.

Elective in Jazz Improvisation

Fall & Spring

A performance-oriented lab in jazz combo and small ensemble settings which includes study of chord types, scales, chord progressions, standard literature and transcription. Each course number may be taken eight times for credit.

MUS 0114	1 hr. cr.
MUS 0214	2 hrs. cr.

COURSE DESCRIPTIONS: MUSIC (CONTINUED)

Applied Music Elective (Private Lessons)

Private study in: Brass, Piano, Percussion, String, Woodwind and Voice. All lower division applied music offerings may be taken twice for credit and upper division three times.

MUS 0115, 0315	(S)	Applied Music Brass Elective	1 hr. cr.
MUS 0125, 0325	(S)	Applied Music Piano Elective	1 hr. cr.
MUS 0135, 0335	(S)	Applied Music Percussion Elective	1 hr. cr.
MUS 0145, 0345	(S)	Applied Music String Elective	1 hr. cr.
MUS 0155, 0355	(S)	Applied Music Woodwind Elective	1 hr. cr.
MUS 0165, 0365	(S)	Applied Music Voice Elective	1 hr. cr.
MUS 0116, 0316	(F)	Applied Music Brass Elective	1 hr. cr.
MUS 0126, 0326	(F)	Applied Music Piano Elective	1 hr. cr.
MUS 0136, 0336	(F)	Applied Music Percussion Elective	1 hr. cr.
MUS 0146, 0346	(F)	Applied Music String Elective	1 hr. cr.
MUS 0156, 0356	(F)	Applied Music Woodwind Elective	1 hr. cr.
MUS 0166, 0366	(F)	Applied Music Voice Elective	1 hr. cr.
MUS 0117, 0317	(S)	Applied Music Brass Elective	2 hrs. cr.
MUS 0127, 0327	(S)	Applied Music Piano Elective	2 hrs. cr.
MUS 0137, 0337	(S)	Applied Music Percussion Elective	2 hrs. cr.
MUS 0147, 0347	(S)	Applied Music String Elective	2 hrs. cr.
MUS 0157, 0357	(S)	Applied Music Woodwind Elective	2 hrs. cr.
MUS 0167, 0367	(S)	Applied Music Voice Elective	2 hrs. cr.
MUS 0118, 0318	(F)	Applied Music Brass Elective	2 hrs. cr.
MUS 0128, 0328	(F)	Applied Music Piano Elective	2 hrs. cr.
MUS 0138, 0338	(F)	Applied Music Percussion Elective	2 hrs. cr.
MUS 0148, 0348	(F)	Applied Music String Elective	2 hrs. cr.
MUS 0158, 0358	(F)	Applied Music Woodwind Elective	2 hrs. cr.
MUS 0168, 0368	(F)	Applied Music Voice Elective	2 hrs. cr.
MUS 0175, 0375	(S)	Applied Music Composition Elective	1 hr. cr.
MUS 0176, 0376	(F)	Applied Music Composition Elective	1 hr. cr.

For additional information on Music contact:
Dr. Keith Talley • Music Building 206
417-625-3061 • Talley-K@mssu.edu

PARALEGAL STUDIES

FACULTY:

Derfelt - Director
Webster Hall 212 • 417-625-9794

Mission

The paralegal program is designed for the student seeking a career as a legal assistant working under the direction and supervision of an attorney in private practice, government service or legal aid. However, the knowledge and skills acquired in the paralegal program are also beneficial to students in the areas of law enforcement, prelaw, business law and political science. Students who wish to learn more about the legal system and how to develop their own skills in legal research for personal enrichment are also encouraged to enroll.

Students in the program will develop skills in research, preparation of legal memorandums and court documents and the professional rules that affect those working in the legal field. A focus on portfolio assignments that highlight these skills is found in many courses.

Students enrolled in the paralegal program may obtain a certificate or use it as a minor for any Bachelor of Arts or Bachelor of Science degree. Students who wish to take classes in paralegal studies only may receive a certificate for successfully completing 24 hours of coursework. The required courses are the same for the minor or the certificate. Students must have an advisor in paralegal studies. All Paralegal courses (PLS) are currently designed for online delivery only.

Minor or Certificate in Paralegal Studies
Minor Code **PL80 / Certificate Code PL81**

General Education Requirements		
ENG 101	College Composition I	3
Computer Literacy (CIS 105 or Demonstrated Proof of Competency)		3
Paralegal Required Courses		9
PLS 201	Introduction to Legal Assistance	3
PLS 210	Law Office Management	3
PLS 304	Legal Research	3
Paralegal Specialty Courses		9
Nine (9) hours from combination of courses listed below:		
PLS 298	Topics in Paralegal Studies (3)	
PLS 313	Property (3)	
PLS 310	Ethics for the Legal Professional (3)	
PLS 314	Civil Litigation (3)	
PLS 324	Family Law (3)	
PLS 401	Wills, Trusts and Probate (3)	
PLS 491	Internship** (3)	
PLS 498	Senior Seminar** (3)	
PLS 499	Independent Study** (3)	
General Legal Electives		6
Six (6) hours from combination of additional Paralegal Specialty Courses listed above or the following General Legal Electives:		
GB 301	Legal Environment of Business I (3)	
GB 302	Legal Environment of Business II (3)	
PSC 310	Law, Society, & Judicial Process (3)	
PSC 431	Constitutional Law I (3)	
PSC 432	Constitutional Law II (3)	
COMM 310	Communications Law (3)	
LE 250	Criminal Law (3)	
MGMT 411	Employment Law (3)	
Total		30

**See Prerequisites

COURSE DESCRIPTIONS: PARALEGAL STUDIES

PLS 0201 • Introduction to Legal Assistance

Fall • 3 Credit Hours

American legal system with emphasis on the roles, skills and tasks of the paralegal. Topics include professional ethics, client interviewing and legal analysis.

PLS 0210 • Law Office Management

Spring • 3 Credit Hours

Management and operation of the law office with emphasis on the practical aspects of processing cases, office workflow, billing and attorney-client and personnel relationships. Topics include the legal team, the attorney-client relationship, legal fees, timekeeping, filing and records management.

PLS 0298 • Topics in Paralegal Studies

Demand • 3 Credit Hours

Special topics of current interest to the student. Subjects are changed each semester. Students are encouraged to submit areas of interest to the Social Science Department.

PLS 0304 • Legal Research

Fall (Odd) • 3 Credit Hours

Research involved in case preparation; use of the law library and the various digests, encyclopedias, reports, etc., contained therein. Course may be cross-listed as PSC 304.

PLS 0310 • Ethics for the Legal Professional

Fall • 3 Credit Hours

This course introduces students to the study of legal ethics and professional responsibility for the legal professional – both paralegal and lawyer. A study of the most recent state cases and a review of the model rules adopted in local jurisdictions will be the primary focus as they are applied to situational factual patterns.

PLS 0313 • Property

Spring (Odd) • 3 Credit Hours

Laws relating to real and personal property with emphasis on the procedures and forms used in real estate transactions and conveyances such as deeds and contracts. Course may be cross-listed as PSC 313.

PLS 0314 • Civil Litigation

Spring (Even) • 3 Credit Hours

Process of civil litigation from filing to appeal including rules for instituting and conducting lawsuits before federal and state courts, rules of procedure and the preparation of pertinent legal forms. Course may be cross-listed as PSC 314.

PLS 0324 • Family Law

Spring (Even) • 3 Credit Hours

Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse and termination of parental rights and the preparation of pertinent legal forms. Course may be cross-listed as PSC 324.

PLS 0401 • Wills, Trusts and Probate

Fall • 3 Credit Hours

Law of wills, trusts and intestate succession; includes analysis of the administration and probate of estates and the preparation of pertinent legal forms.

PLS 0491 • Internship

Demand • 3 Credit Hour

An applied internship of 135 hours done under the supervision of a practicing professional who is directly engaged in a day-to-day application of the law (i.e. judges, attorneys, government officials) as approved by department head. Prerequisite: 12 hours of paralegal studies and/or consent of instructor.

PLS 0498 • Advanced Topics in Paralegal Studies

Demand • 3 Credit Hours

Comprehensive analysis and review of selected legal topics to be announced when course is offered. Prerequisite: 9 hours of paralegal studies or consent of instructor.

PLS 0499 • Independent Study

Demand • 1-3 Credit Hours

Study and research by the student under the direction and supervision of instructor/advisor with prior approval by department head and school dean. Prerequisites: 9 hours of Paralegal Studies and a minimum GPA of 3.0. Repeatable up to six credit hours.

For additional information on Paralegal Studies contact:

Dr. JoAnna Derfelt
Webster Hall 212
417-625-9794 • derfelt-j@mssu.edu

PHILOSOPHY

FACULTY:

Watson -Chair, Barry Brown
Kuhn Hall 417-625-9377

Mission

The Department of English and Philosophy provides students with General Education introductory courses in philosophy that provide training and experiences in critical thinking and problem solving. The department also offers a minor in philosophy for students whose plans include graduate study and careers in fields such as medicine, law, theology and public service.

Philosophy deals with basic questions from all areas of life and thought—science, religion, art, morality and politics—and helps students refine their views on these subjects. Most importantly, philosophy teaches students how to think, how to analyze problems into their essential elements, how to decide which proposed solution to a problem is supported by the best evidence, how to separate relevant from irrelevant points and how to state issues clearly and precisely. While some philosophy students go to graduate school and become professional philosophers, most go on to careers in such areas as law, medicine, theology, business, government and public service. Philosophy students are highly successful in gaining admittance to law schools, medical schools, graduate schools of management and theological seminaries.

Minor in Philosophy

Minor Code.....PI80

Critical Thinking		
PHIL 140 Critical Thinking		3
Ethics		
PHIL 212	Ethics	
	OR	
PHIL 312	Biomedical Ethics	
	OR	
PSC 411	Great Political thinkers	
	OR	
A suitable selected topics course		3
History of Philosophy		
PHIL 301	Ancient Philosophy	3
PHIL 302	Modern Philosophy	3
Philosophy Electives (at least three hours at 300 level or above)		6
Total Hours		18

COURSE DESCRIPTIONS: PHILOSOPHY

PHIL 0140 • Critical Thinking

Spring • 3 Credit Hours

Introduction to logic, with special emphasis on common errors and fallacies in reasoning.

PHIL 0201 • Introduction to Philosophy

Fall, Spring (Honors) & Summer • 3 Credit Hours

Comparative survey of major types of philosophy and of representative problems in philosophy. Option for satisfying Area F General Education requirement.

PHIL 0212 • Ethics

Fall (Even) • 3 Credit Hours

Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in contemporary society. (Satisfies 3 hours of General Education requirements in Area F2, Humanities and Fine Arts.)

PHIL 0298 • Topics in Philosophy

Demand • 3 Credit Hours

Studies in a variety of philosophical subjects. Topic open.

PHIL 0301 • Ancient Philosophy

Fall (Odd) • 3 Credit Hours

Historical study of ancient philosophy, with special emphasis on the writings of Plato and Aristotle. Prerequisites: 3 hours of philosophy or permission of instructor.

PHIL 0302 • Modern Philosophy

Spring (Even) • 3 Credit Hours

A survey of the major schools of western philosophy from 1550 to 1850. Prerequisites: 3 hours of philosophy or permission of instructor and ENG 101 and 102 or 111.

PHIL 0312 • Biomedical Ethics

Spring & Summer • 3 Credit Hours

A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources and medical experimentation. Prerequisite: ENG 101 and 102 or ENG 111. Cross-listed as HS 312.

PHIL 0313 • Medical Ethics

Demand • 2 Credit Hours

An exploration focusing on recent important ethical problems relating to health care and the practice of medicine.

PHIL 0320 • Comparative Religion

Fall • 3 Credit Hours

A philosophical and historical survey, emphasizing the world's major living religions. Prerequisite: ENG 101 and 102 or ENG 111. (Satisfies 3 hours of General Education requirements in Area I, Institutional Requirements).

PHIL 0420 • Philosophy of Science

Spring (Odd) • 3 Credit Hours

Investigation of the nature and scope of scientific inquiry. Topics include the logic of scientific reasoning, the nature of scientific theories, the conceptual presuppositions of science and the relation between the natural and social sciences. Prerequisite: ENG 101 and 102 or ENG 111.

PHIL 0498 • Advanced Topics in Philosophy

Demand • 3 Credit Hours

Comprehensive analysis of selected topics in philosophy. For upper division students.

PHIL 0499 • Independent Study

Demand • 1-3 Credit Hours

Individually directed study in selected areas for advanced students. Prerequisite: GPA of 3.0 in philosophy. Enrollment must be approved by advisor, department head and school dean.

For additional information on the Philosophy program contact: Dr. Barry Brown • Kuhn Annex 106 • 417-625-9659 • brown-b@mssu.edu

PHYSICS & PRE-ENGINEERING

FACULTY: **Archer - Chair, Bajracharya, Marsh, McKee, Sundararajan & Yeboah-Forson**
Reynolds Hall 210 • 417-625-9766

Mission

The Chemical and Physical Sciences Department is a learning community dedicated to:

- delivering undergraduate instruction for physics and physics education majors
- offering physics courses suitable for students majoring in other fields
- offering general education requirement science courses in support of the university's liberal arts curriculum
- supporting a two year transfer program for students majoring in engineering
- providing a positive environment for students, staff and faculty

Physics graduates obtain a strong diversified background in science and mathematics which will qualify them to enter various areas of employment in industry, government or secondary education or for entrance into graduate programs in physics, engineering and many other disciplines. Students who plan to do graduate work in engineering should, with the help of a faculty advisor, select their free electives in the area they plan to enter.

The physics area of the Chemical and Physical Sciences Department participates in cooperative two-year pre-engineering programs which allow students to complete the first two years of an engineering degree at Missouri Southern and then transfer to an engineering school to complete the remaining two years of the degree.

Pre-Engineering

The Chemical and Physical Sciences Department at Missouri Southern, in cooperation with the engineering faculty at the Missouri University of Science and Technology and the University of Missouri-Columbia, have prepared booklets describing the Cooperative Engineering Program between these schools and MSSU. These booklets list the course sequence for a student taking the first two or two and one-half years of an engineering science curriculum at Southern and planning to transfer to MS&T or UMC. The plan also includes the courses the student will take at MS&T or UMC to complete a BS degree in various engineering disciplines. Engineering school General Education Requirements are different from liberal arts requirements so it is strongly recommended that the student consult with a pre-engineering advisor in the Chemical and Physical Sciences Department. Any student or advisor who desires a copy of the booklet should contact the Chemical and Physical Sciences Department.

Although most of the engineering programs are standard for the first two years, there are a few differences and thus the student should meet with a pre-engineering advisor during the first semester. If a student wishes to transfer to a school other than MS&T or UMC, it is suggested that the catalog of that school be reviewed for any differences in its program and the MS&T or UMC outline. College catalogs are available in the Reserve Area of Spiva Library. Any advisor who desires a copy of the booklet should contact the Chemical and Physical Sciences Department.

For additional information on the Physics program contact: Dr. Marsi Archer • Reynolds Hall 213 • 417-625-9541 • archer-m@mssu.edu

Minor in Advanced Power

Minor Code.....PH81

PHYS 372	Electronic Circuits	4
CHEM 440	Intro to Electrochemistry	3
PHYS 440	Test & Evaluation of Electrochemical Devices	3
CHEM 442	Design & Modeling of Electrochemical Devices	3
CHEM 444	Mat. & Processing Methods/Electrochemical Devices	4
CHEM 498	Adv. Topics Electrochemical Devices	2-3
Total		**19-20**

Minor in Physics

Minor Code.....PH80

PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
PHYS 290	General Physics III	4
PHYS 291	General Physics III Lab	1
PHYS	Upper Division Electives (excluding PHYS 300)	11
Total		**21**

Pre-Engineering Curriculum

General Education Requirements (p. 40) 27-28**		**17**
Pre-Engineering Requirements		**48-49**
PHYS 250	General Physics I*	2
PHYS 260	General Physics II*	3
PHYS 290	General Physics III*	4
PHYS 291	General Physics III Lab	1
PHYS 312	Statics*	3
CHEM 151	General Chemistry I**	5
MATH 150	Calculus with Analytical Geometry I**	5
MATH 250	Calculus with Analytical Geometry II*	5
MATH 260	Calculus with Analytical Geometry III*	3
CIS 110	Programming I	3
ECON 201	Principles of Economics (Macro)**	3
Elective	(MATH or Physics)***	7-8
Electives	(Humanities/Social Science/Drafting/Chemistry/ Computer Science)***	4
Total Hours		**65-66**

*See course descriptions for prerequisites.
**Required math, economics and physics courses simultaneously satisfy 11 hours of General Education Requirements and major requirements.
***The student should meet with a pre-engineering advisor for the proper selection depending on the field of engineering.

Bachelor of Science ..... Major Code PH00
PHYSICS

General Education Requirements (p. 39) 46-47*		**39**
Physics Requirements		40
PHYS 250	General Physics I**	2
PHYS 260	General Physics II**	3
PHYS 290	General Physics III**	4
PHYS 291	General Physics III Lab	1
PHYS 301	Modern Physics**	.4
PHYS 322	Classical Mechanics**	3
PHYS 341	Thermal Physics**	4
PHYS 360	Mathematical Methods for Physics	4
PHYS 381	Intermediate Physics Laboratory**	3
PHYS 401	Electricity & Magnetism**	4
PHYS 452	Quantum Mechanics**	3
PHYS 490	Seminar	1
Physics Elective (Upper Division)		4
Supporting Requirements		24
CHEM 151	General Chemistry I**	5
MATH 150	Calculus with Analytical Geometry I**	5
MATH 250	Calculus with Analytical Geometry II**	5
MATH 260	Calculus with Analytical Geometry III**	3
MATH 322	Differential Equations**	3
CIS 110	Programming I	3
Electives***		21
Total		124****

*Required physics, chemistry and mathematics courses satisfy major requirements and 8 hours of General Education requirements.
**See Prerequisites
***Suggested Electives (CHEM 152, CIS 210, MATH 351)
****Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science ..... Major Code PH01
PHYSICS (Engineering)

General Education Requirements (p. 39) 46-47*		**39**
Physics Requirements		36
PHYS 250	General Physics I**	2
PHYS 260	General Physics II**	3
PHYS 290	General Physics III**	4
PHYS 291	General Physics III Lab	1
PHYS 301	Modern Physics**	.4
PHYS 322	Classical Mechanics**	3
PHYS 341	Thermal Physics**	4
PHYS 372	Electronic Circuits**	4
PHYS 381	Intermediate Physics Laboratory**	3
PHYS 401	Electricity & Magnetism**	4
PHYS 452	Quantum Mechanics** OR	
PHYS 480	Selected Topics in Physics & Engineering	3
PHYS 490	Seminar	1
Supporting Requirements		24
CHEM 151	General Chemistry I**	5
MATH 150	Calculus with Analytical Geometry I**	5
MATH 250	Calculus with Analytical Geometry II**	5
MATH 260	Calculus with Analytical Geometry III**	3
MATH 322	Differential Equations**	3
CIS 110	Programming I	3
Electives***		25
Total		124****

*Required physics, chemistry and mathematics courses satisfy major requirements and 8 hours of General Education requirements.
**See Prerequisites
***Suggested Electives (CHEM 152, CIS 210, MATH 322 and MATH 351)
****Must include at least 40 Upper Division (300-400 level) hours.

Bachelor of Science in Education ..... Major Code ESO7
Physics Major, Grades 9-12 Certification Plan A (Double Teaching Field)

General Education Requirements (p. 39) 46-47*^		**32**
Physics Requirements		22-23
PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
PHYS 290	General Physics III	4
PHYS 291	General Physics III Lab	1
PHYS 301	Modern Physics	4
PHYS 322	Classical Mechanics	3
PHYS 372	Electronic Circuits OR	4
PHYS 381	Intermediate Physics Laboratory	3
PHYS 490	Seminar.	2
Supporting requirements		32
CHEM 151	General Chemistry I	5
MATH 150	Calculus with Analytic Geometry I	5
MATH 250	Calculus with Analytic Geometry II	5
MATH 260	Calculus with Analytic Geometry III	3
CIS 110	Introduction to Programming	3
BIO 110	Principles of Biology I	4
GEOL 300	Environmental Geology	4
PHIL 420	Philosophy of Science	3
Education Certification Requirements (p. 177)47^		44
Second Teaching Field (some fields exceed 30 hours)		30
Total		160-161**

*Required chemistry, physics, biology, and mathematics courses satisfy major requirements and 12 hours of General Education requirements.
** Varies with second field ^EDUC 280 satisfies Area I of Gen. Ed.

Bachelor of Science in Education ..... Major Code ES02
Unified Science Major, Physics Endorsement Grades 9-12 Certification

General Education Requirements (p. 39) 46-47**		**.....32**
Physics Requirements		 28
PHYS 290	General Physics III	 4
PHYS 291	General Physics III Lab	 1
PHYS 301	Modern Physics**	 4
PHYS 312	Statics**	 3
PHYS 322	Classical Mechanics**	 3
PHYS 341	Thermal Physics**	 4
PHYS 372	Electronic Circuits**	 4
PHYS 381	Intermediate Physics Laboratory**	 3
PHYS 490	Seminar	 2
Supporting Requirements		 54
PHIL 420	Philosophy of Science	 3
BIO 110	Principles of Biology I	 4
BIO 111	Principles of Biology II	 4
CHEM 151	General Chemistry I**	 5
CHEM 152	General Chemistry II**	 5
PHYS 250	General Physics I**	 2
PHYS 260	General Physics II**	 3
GEOL 120	Introduction to Geology	 4
GEOL 185	Introduction to Meteorology	4
MATH 150	Calculus with Analytical Geometry I**	 5
MATH 250	Calculus with Analytical Geometry II**	 5
MATH 260	Calculus with Analytical Geometry III**	 3
CIS 110	Programming I	 3
Select one:		 4
BIO 312	Environmental Biology (4)	
BIO 402	General Ecology (4)	
BIO 481	Aquatic Ecology (4)	
GEOL 300	Environmental Geology (4)	
Education Certification Requirements (p. 177)		 46
Total		 160

*Required physics/chemistry, mathematics, biology and EDUC 280 courses satisfy major requirements and 15 hours of General Education requirements.
**See Prerequisites

Bachelor of Science in Education ..... Major Code ES07
Physics Major, Grades 9-12 Certification Plan B (Single Teaching Field)

General Education Requirements (p. 39) 46-47*		**.....32**
Physics Requirements		 26-27
PHYS 250	General Physics I	 2
PHYS 260	General Physics II	 3
PHYS 290	General Physics III	 4
PHYS 291	General Physics III Lab	 1
PHYS 301	Modern Physics	 4
PHYS 312	Statics (3)	
	OR	
PHYS 322	Classical Mechanics	 3
PHYS 341	Thermal Physics	 4
PHYS 372	Electronic Circuits (4)	
	OR	
PHYS 381	Intermediate Physics Laboratory	 3-4
PHYS 490	Seminar	 2
Supporting requirements		 32
CHEM 151	General Chemistry I	 5
MATH 150	Calculus with Analytic Geometry I	 5
MATH 250	Calculus with Analytic Geometry II	 5
MATH 260	Calculus with Analytic Geometry III	 3
CIS 110	Introduction to Programming	 3
BIO 110	Principles of Biology I	 4
GEOL 300	Environmental Geology	 4
PHIL 420	Philosophy of Science	 3
Education Certification Requirements (p. 177)47*		 43
Total		 133-134

*Required chemistry/physics, mathematics and EDUC 280 courses satisfy major requirements and 15 hours of General Education requirements.

COURSE DESCRIPTIONS: PHYSICS & PRE-ENGINEERING

PHYS 0100 • Fundamentals of Physical Science

Fall, Spring & Summer • 5 Credit Hours

Basic concepts in the fields of physics, chemistry, geology and astronomy will be presented as time permits. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: MATH 30 or higher level math or Math ACT of 22 or higher.

PHYS 0101 • Physical Science for Elementary Teachers

Fall, Spring & Summer • 5 Credit Hours

Basic concepts in the field of physical science. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Four lecture and demonstration periods and one 3-hour lab per week. Prerequisite: MATH 119.

PHYS 0102 • Physical Science Laboratory

Fall, Spring & Summer • 1 Credit Hour

Experiments related to topics studied in Physics 101 will be conducted. One 3-hour laboratory per week. Prerequisite or co-requisite: Physics 101. (Physics 100 may be allowed with permission of instructor.)

PHYS 0125 Descriptive Astronomy

Fall • 4 Credit Hours

Study of our solar system and universe including the following topics: the solar system, Kepler's laws, celestial coordinates and observing. Hertzsprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies, and cosmology. 3 lectures and one 3-hour lab per week. Prerequisite: MATH 30 or higher level math/Math ACT of 22 or higher.

PHYS 0150 • Environmental Physics

Demand • 5 Credit Hours

Emphasis on physics-based problems and laws related to the environment and to human health. Topics include forces in nature, energy, laws of thermodynamics, heat transfer and radiation, properties of fluids and fluid flow, mechanical properties of solids, sound, electromagnetic waves and spectra, basic electricity, radioactivity and nuclear physics. Designed for students in environmental health and students in biology needing only one course in physics. Students may not receive credit for both Physics 150 and 151 or Physics 150 and 152. Four hours lecture, one 3-hour laboratory per week. Prerequisite: MATH 140.

PHYS 0151 • Elementary College Physics I

Fall, Spring & Summer • 5 Credit Hours

Mechanics, rotational dynamics, properties of matter, heat, wave motion and sound. Four hours lecture, one 3-hour laboratory per week. Prerequisite: MATH 140.

PHYS 0152 • Elementary College Physics II

Spring • 4 Credit Hours

Electricity, circuits, magnetism, optics, relativity, radioactivity and nuclear reactions. Three hours lecture, one 3-hour laboratory per week. Prerequisite: PHYS 151. Electricity, circuits, magnetism, optics, relativity, radioactivity and nuclear reactions. Three hours lecture, one 3-hour laboratory per week. Prerequisite: PHYS 151.

PHYS 0250 • General Physics I

Fall & Spring • 2 Credit Hours

Introductory study of physics covering vectors, geometric and trigonometric applications in physics, kinematics and dynamics of particles in one and two dimensions and Newton's laws of motion. Course meets for the first five weeks of the semester. Four hours lecture and one 3-hour laboratory per week. Prerequisite: MATH 150.

PHYS 0260 • General Physics II

Fall & Spring • 3 Credit Hours

Introductory study of energy, momentum, kinematics and dynamics of rigid bodies, equilibrium, fluids, heat and thermodynamics. The course is sequential to PHYS 250 and begins the sixth week of the semester. Four hours lecture, one 3-hour laboratory/recitation session per week. Prerequisite: PHYS 250 with a grade of 'C' or better and MATH 150.

PHYS 0290 • General Physics III

Spring • 4 Credit Hours

Introductory study of wave motion, electricity, magnetism and geometrical and physical optics. Four hours lecture per week. Prerequisite: PHYS 260 and MATH 250 or permission of instructor.

PHYS 0291 • General Physics III Lab

Spring • 1 Credit Hour

Laboratory in wave motion, electricity, magnetism and geometrical and physical optics. One 3-hour laboratory per week. Prerequisite or co-requisite: PHYS 290.

PHYS 0297 • Introduction to Research in Physics

Fall & Spring • 1-3 Credit Hours

Introduction to research techniques, laboratory work and literature search under the supervision of an instructor on a Physics research project. Involves laboratory experimentation as well as a written report on a project from any area of Physics. Open to students with: 1) freshman or sophomore standing, 2) the ability to undertake independent work and 3) permission of the instructor. Registration must be approved by the advisor and the department head.

PHYS 0298 • Topics in Physical Science

Demand • 1-3 Credit Hours

Special topics in physical science not normally offered in other courses. Prerequisite to be determined by department.

PHYS 0301 • Modern Physics

Fall • 4 Credit Hours

Special theory of relativity, wave-particle experiments, introductory quantum mechanics and nuclear physics. Prerequisite: PHYS 290; co-requisite: MATH 260 or permission of instructor.

PHYS 0322 • Classical Mechanics

Fall (Odd) • 3 Credit Hours

Kinematics and dynamics of particles and systems of particles including the harmonic oscillator, potential functions, conservative fields of force, accelerated reference frames, energy, gravitation and rigid bodies. Three hours lecture per week. Prerequisite: PHYS 260; co-requisite: MATH 322 or permission of instructor.

PHYS 0341 • Thermal Physics

Spring (Odd) • 4 Credit Hours

Temperature, laws of thermodynamics, entropy, enthalpy, reversibility and irreversibility, thermal properties of materials, change of phase, use of thermodynamic tables and introduction to heat transfer. Four hours lecture per week. Prerequisite: PHYS 260; co-requisite: MATH 260.

PHYS 0360 • Mathematical Methods Physics

Fall • 3 Credit Hours

This course introduces the mathematical techniques used in upper level physics classes. Topics covered will include: Vector calculus, matrices, Fourier analysis, the calculus of variations, complex variables, ordinary differential equations, partial differential equations, and their application to Physics problems. Three hours of lecture per week. Prerequisite: PHYS 250 with a grade of C or better; Co-requisite: MATH 322 or permission of instructor.

PHYS 0372 • Electronics for Experimental Physicists

Spring (Even) • 4 Credit Hours

Ohm's law, Kirchoff's laws, Nodal analysis, mesh analysis, Thevenin's and Norton's theorems, superposition, inductors and capacitors, source-free RL and RC circuits, RLC circuits. Complex variables and their application to steady-state AC circuits. Three lectures and one 3-hour laboratory per week. Prerequisite: PHYS 290; co-requisite: MATH 322 or permission of instructor.

PHYS 0381 • Intermediate Physics Laboratory

Fall & Spring • 3 Credit Hours

Experiments in classical and modern physics, including wave phenomena, heat transfer, electrical measurements, optics, photoelectric effect and radioactivity. Two 3-hour labs per week. Prerequisite: PHYS 301 or permission of instructor.

PHYS 0401 • Electricity and Magnetism

Spring (Odd) • 4 Credit Hours

Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties of matter, induced electromotive force, Maxwell's equations and electromagnetic waves. Four lectures per week. Prerequisites: MATH 260 and PHYS 290.

PHYS 0440 • Test and Evaluation of Electrochemical Device

Demand • 3 Credit Hours

Testing and evaluation of electrochemical cells and batteries. Included with an introduction to battery technology is material emphasizing test safety and operational hazards. Prerequisite: CHEM 152.

PHYS 0452 • Quantum Mechanics

Spring (Even) • 3 Credit Hours

Time independent Schroedinger equation, eigenfunctions, expectation values, differential operators, pertubation theory, multielectron atoms and applications to solid state physics. Three hours lecture per week. Prerequisite: PHYS 301 and MATH 322.

PHYS 0480 • Selected Topics in Physics and Engineering

Demand • 3 Credit Hours

Selected topics for further study, e.g., solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer and mechanics of materials or other topics. Open to students having a minimum of 18 hours of physics and permission of instructor. Prerequisites to be determined by department.

PHYS 0490 • Seminar

Fall & Spring • 1-3 Credit Hours

Students will select two subjects from areas of physics and engineering in which they have an interest. The student will research the area and communicate the results with the physics faculty and the class. One area will require a written paper with a short (15 minute) presentation and the other will require a written paper and a one-hour presentation. Both presentations will have question and answer sessions. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts of physics at the secondary level. Open to students having a minimum of 18 hours of physics and permission of the instructor.

PHYS 0491 • Internship in Physics

Fall, Spring & Summer • 1-3 Credit Hours

In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied physics in which on-the-job experience would be beneficial to the student's training. Prerequisites: Junior standing in physics with a minimum of 17 hours of physics or by permission.

PHYS 0497 • Research in Physics

Fall, Spring & Summer • 1-3 Credit Hours

Independent research technique, laboratory work and literature search under the supervision of an instructor on a physics research project. Involves laboratory experimentation or theoretical calculation, written report and an oral presentation from any area of physics. Open to students having: 1) minimum of 15 hours of physics, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. Registration must be approved by the advisor and the department head.

PHYS 0498 • Advanced Topics in Physics

Demand • 1-3 Credit Hours

Designed to give advanced instruction in some area not covered in other courses. For upper division majors. Prerequisites to be determined by the department.

PHYS 0499 • Independent Study

Demand • 1-3 Credit Hours

Course structured by the advisor with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the advisor, department head and school dean.

POLITICAL SCIENCE

FACULTY:
Wells-Lewis - Interim Chair, Delehanty, Nicoletti & Shoaf
Webster Hall 245 • 417-625-9565

Mission

Preparing students for professional careers in law, international affairs, and public service with a strong sense of responsible citizenship is the mission of the Political Science program at MSSU.

Our faculty is committed to excellence in teaching while also providing students with access to valuable experiences applicable to their future career. The department provides students with the opportunity to cultivate critical thinking, communication and technological skills.

The Bachelor degree with a major in Political Science is appropriate for those students seeking to do graduate work in political science, enter law school or other professional schools of public administration, join the public service or work in community service, as well as general career options. Students may choose to minor in Legal Studies, Paralegal Studies or International Politics to further their study within the degree program. These minors are also available to all majors.

A Bachelor of Science in Education degree with a major in Social Studies - Political Science emphasis certifies a student to teach on the secondary school level. A minor in Political Science is available for students majoring in other disciplines. General Education requirements and Missouri statute requirements are met by PSC 120. PSC 120 is a prerequisite for all other political science courses.

Additional requirements

For students in majors without a statistics/research requirement, the following course must be completed. Hours earned in this course are not applicable to the minor in public administration: PSC 405 Social Science Statistics.

Minor in Political Science

Minor Code.....PS80

PSC 120	Government: U.S., State, and Local	3
PSC 201	Introduction to Political Science	3
PSC Courses*		15
Total		21

*Must be chosen with approval of a political science advisor.
At least 12 of the total hours must be taken at MSSU.

Minor in International Politics

Minor Code.....PS82

PSC 201	Introduction to Political Science	3
PSC 321	International Relations	3
PSC 352	Introduction to Comparative Politics	3
PSC 434	American Foreign Policy	3
PSC 423	Globalization and Development	3
Choose two		6
PSC 411	Political Theory	
PSC 435	Philosophy of Law	
PSC 494	Seminar	
PSC 498	Advanced Topics in Political Science	
Total		21

Bachelor of Science in Education ..... Major Code ES18
Social Studies Major, Political Science Emphasis Grades 9-12 Certification

General Education Requirements (p. 39) 46-47*		**34-35**
Political Science Requirements		15
PSC 120	Government: U.S., State, and Local	3
PSC	Upper Division Electives	12
Supporting Requirements		36
HIST 110	U.S. History 1492-1877	3
HIST 120	U.S. History 1877-Present	3
HIST 130	Western Civilization to 1660	3
HIST 140	Western Civilization Since 1660	3
HIST	Upper Division U.S.**	6
HIST	Upper Division Asian, Latin or European**	3
SOC 110	Introduction to Sociology	3
SOC	Upper Division Elective**	3
GEOG 111	World Regional Geography	3
GEOG	Upper Division Elective	3
ECON 101	Economics of Social Issues	3
Education Certification Requirements (p. 177)		47
Total		132-134

*Required political science, history, sociology or economics and geography courses satisfy major requirements and 12 hours of General Education Requirements.
**See Prerequisites

Bachelor of Arts ..... Major Code PS01
Political Science Major

General Education Requirements (p. 39) 46-47**		**40-41**
Computer Literacy Requirement:		
Determined by Social Science Department		3
Modern Language (four courses in one language)		12
Political Science Requirements		9
PSC 120	Government: U.S., State and Local	3
PSC 201	Introduction to Political Science	3
PSC 494	Seminar in Political Science	3
Select 3 hours from each of the following areas:		15
American Politics		3
PSC 301	Political Parties and Elections	
PSC 302	Public Opinion and Pressure Groups	
PSC 311	American Presidency	
PSC 312	Legislative Process	
Public Service & Public Administration		3
PSC 320	State Government	
PSC 342	Public Policy	
PSC 421	Public Administration	
International Relations		3
PSC 321	International Relations	
PSC 352	Introduction to Comparative Politics	
PSC 434	American Foreign Policy	
Law		3
PSC 310	Law, Society and the Judicial Process	
PSC 402	Advocacy & Legal Reasoning	
PSC 431	Constitutional Law I	
PSC 432	Constitutional Law II	
Theory		3
PSC 411	Great Political Thinkers	
PSC 412	Comtemporary Political Thought	
PSC 435	Philosophy of Law	
Additional Political Science courses**		
(at least 4 additional 300-400 level)		12
General Electives (minor recommended)		32-33
Total		124***

*PSC 120 satisfies major requirement and 3 hours of General Education requirements. Three hours of modern language satisfies Area * Gen. Ed.

Minor in Legal Studies

Minor Code.....PS83

PHIL 140	Critical Thinking	3
PSC 304/PLS 304	Legal Research	3
ENG 310	Professional Writing	
	OR	
ENG 313	Technical Writing	3
PSC 402	Advocacy & Legal Reasoning	3
Choose two		6
PSC 310	Law, Society and the Judicial Process	
PSC 431	Constitutional Law I	
PSC 432	Constitutional Law II	
PSC 435	Philosophy of Law	
Choose one		3
LE 210	Criminal Procedure	
LE 250	Criminal Law	
CJAD 450	Criminal Evidence	
GB 301	Legal Environment of Business I	
GB 302	Legal Environment of Business II	
MM 411	Employment Law	
Total		21

Bachelor of Science.....Major Code PS00
Political Science Major

General Education Requirements (p. 39) 46-47 ....**		**43-44**
Computer Literacy Requirement:		
Determined by Social Science Department		3
Political Science Requirements		21
PSC 120	Government: U.S., State and Local	3
PSC 201	Introduction to Political Science	3
PSC 202	Argument in Political Science	3
PSC 401	Social Science Research Methods	3
PSC 405	Social Science Statistics	3
PSC 491 or 493	Internship.	3
PSC 494	Seminar in Political Science	3
Select 3 hours from each of the following areas:		15
American Politics		3
PSC 301	Political Parties and Elections	
PSC 302	Public Opinion and Pressure Groups	
PSC 311	American Presidency	
PSC 312	Legislative Process	
Public Service & Public Administration		3
PSC 320	State Government	
PSC 342	Public Policy	
PSC 421	Public Administration	
International Relations		3
PSC 321	International Relations	
PSC 352	Introduction to Comparative Politics	
PSC 434	American Foreign Policy	
Law		3
PSC 310	Law, Society and the Judicial Process	
PSC 402	Advocacy & Legal Reasoning	
PSC 431	Constitutional Law I	
PSC 432	Constitutional Law II	
Theory		3
PSC 411	Great Political Thinkers	
PSC 412	Comtemporary Political Thought	
PSC 435	Philosophy of Law	
Select at least four additional 300-400 level		
Political Science courses**		12
General Electives (minor recommended)		29-30
Total		124***

*PSC 120 satisfies major requirements and 3 hours of General Education Requirements.
** Chosen in consultation with advisor.
***Must include at least 40 Upper Division (300-400 level) hours.

COURSE DESCRIPTIONS: POLITICAL SCIENCE

PSC 0100 • Missouri Constitution Exam

Fall, Spring & Summer • 0 Credit Hours

PSC 0120 • Government: US State & Local

Fall & Spring • 3 Credit Hours

Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. Successful completion of this course fulfills the requirements for the state-mandated Missouri Constitution Test.

PSC 0201 • Introduction to Political Science

Demand • 3 Credit Hours

Introduction to the discipline of political science. The course is a preview of the major subunits of the discipline: American politics including public administration and legal studies; international relations; political theory; and comparative politics. Recommended for all Political Science majors.

PSC 0202 • Argument in Political Science

Spring • 3 Credit Hours

Introduces students to the nature and logic of argument. The course is designed to expose students to the variety of concepts, methodologies, and forms of evidence that characterize political science. Students will be taught to recognize arguments in what they read and to develop their own arguments in written and oral formats. Students will be introduced to the ways that arguments are developed and then demonstrated through evidence using a variety of methodologies including, formal reasoning, deductive logic, inductive logic, quantitative evidence, qualitative evidence, legal reasoning, and field research/experiments. Prerequisite: PSC 120.

PSC 0298 • Topics in Political Science

Demand • 3 Credit Hours

Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty. Prerequisite: PSC 120.

PSC 0398 • Political Discourse

Demand • 1 Credit Hour

A topics and event driven, open forum for examination of current issues at the national, state and local levels of government. The course is conducted as a discussion group with the instructor providing directed reading assignments and presentations on discursive practices, traditions and models within the discipline as appropriate. May be repeated one time for credit.

PSC 0401 • Social Science Research Methods

Fall • 3 Credit Hours

An introduction and exploration into the ways in which social scientists conduct research including various designs, including interviewing, observation, survey design, and content analysis. Emphasis will be placed on quantitative analysis and the decisions faced by social scientists when designing and applying social research. The course will cover methods of problem and hypothesis formulation, data collection and instrumentation. There will also be an emphasis placed on ethical issues in research. Prerequisite: 9 Hours of Political Science.

PSC 0405 • Social Science Statistics

Spring • 3 Credit Hours

Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125 or higher math or consent of instructor.

PSC 0411 • Great Political Thinkers

Demand • 3 Credit Hours

The course will introduce selected political philosophies from the ancient Greeks to modern times. Philosophies studied will represent the development of Western political philosophy over time, as well as its comparison with selected Islamic and Asian political ideas.

PSC 0412 • Contemporary Political Thought

Demand • 3 Credit Hours

Twentieth century political ideas.

PSC 0423 • Globalization and Development

Spring • 3 Credit Hours

The course presents students with the processes of globalization and the interaction between developed and developing nations. The course will explore the changes in the international economy and their effects on domestic politics, economy, and society. Course material will cover the historical foundations of globalization and its modern effects on the nation-state. Prerequisite: PSC 120 or consent of Instructor.

PSC 0491 • Internship in Political Science

Demand • 1-8 Credit Hours

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hours may be counted toward a major or minor. Repeatable for up to 8 credit hours.

PSC 0493 • Legislative Internship

Demand • 8 Credit Hours

Students will be assigned to a legislator or other qualified person involved in the Missouri Legislative Process to observe and participate in a legislative session. The students will be required to live and work in the capital from the beginning of the session until its conclusion and comply with the MSSU Legislative Intern Handbook. Prerequisites: PSC 120, 30 hours of credit, 2.5 GPA. Cross listed as UE 493.

PSC 0494 • Seminar in Political Science

Demand • 3 Credit Hours

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hours of upper division political science.

PSC 0498 • Advanced Topics in Political Science

Demand • 3 Credit Hours

For upper division political science majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue in-depth research and ability to assimilate topics. It will include areas not already treated in other political science courses. Prerequisite: 15 hours of political science or consent of instructor.

PSC 0499 • Independent Study

Demand • 1-4 Credit Hours

For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an advisor from the political science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean. Repeatable or up to six credit hours.

AMERICAN POLITICS

PSC 0301 • Political Parties and Elections

Demand • 3 Credit Hours

Analysis of the origins, structure and functions of political parties; the dynamics of the two-party system; the role of third parties and the election process.

PSC 0302 • Public Opinion

Demand • 3 Credit Hours

Origins, impact, and measurement of public opinion, with particular emphases on the development of public opinion, how the American public thinks about their government and the consequences of public opinion for the development of public policy. Prerequisite PSC 120 or consent of instructor.

PSC 0311 • American Presidency

Demand • 3 Credit Hours

Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.

PSC 0312 • Legislative Process

Demand • 3 Credit Hours

Problems of representation, organization of the legislature, participation and proposals for improved organization. Emphasis is placed on the Missouri General Assembly and the United States Congress. Prerequisite PSC 120 or consent of instructor.

PSC 0320 • State Government

Demand • 3 Credit Hours

General structure, theories, operation and problems of state government with special emphasis on the government of Missouri in the political system. Students will compare and contrast the function of Missouri government at all levels (municipal, county and state) with other states. Prerequisite PSC 120 or consent of instructor.

LAW

PSC 0208 • The Road to Law School

Fall • 1 Credit Hour

Thanks to media portrayals of lawyers and law schools, many students choose a career in the legal field without core knowledge of the principles, objectives and goals of lawyering. Students in this course will explore the core skills necessary to be successful as a lawyer and be exposed to the skill set that can improve performance on the necessary exams for admittance. Students will be required to take part in a law school visitation.

PSC 303 • Mock Trial Workshop

Fall & Spring • 1 Credit Hour

Advanced practicum in the area of advocacy, rules of evidence, courtroom presentation and issue spotting. Students will work on the development of tem events and presentation of both Plaintiff and Defense positions on detailed cases as provided by the College Mock Trial Association. May be repeated for a maximum of four hours of credit. Prerequisite: Consent of instructor.

PSC 0304 • Legal Research

Fall (Odd) • 3 Credit Hours

Research involved in case preparation; use of the law library and the various digests, encyclopedias, reports, etc., contained therein. Course may be cross-listed as PLS 304.

PSC 0310 • Law, Society and the Judicial Process

Demand • 3 Credit Hours

American legal system viewed from a social and political as well as legal perspective. Focus on the structure and organization of courts, the processing of civil and criminal cases and the behavior of judges, lawyers and other participants in the judicial process.

PSC 0313 • Property

Spring (Odd) • 3 Credit Hours

Laws relating to real and personal property with emphasis on the procedures and forms used in real estate transactions and conveyances such as deeds and contracts. Course may be cross-listed as PLS 313.

PSC 0314 • Civil Litigation

Spring (Even) • 3 Credit Hours

Process of civil litigation from filing to appeal including rules for instituting and conducting lawsuits before federal and state courts, rules of procedure and the preparation of pertinent legal forms. Course may be cross-listed as PLS 314.

PSC 0324 • Family Law

Spring (Even) • 3 Credit Hours

Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse and termination of parental rights and the preparation of pertinent legal forms. Course may be cross-listed as PLS 324.

PSC 0402 • Advocacy & Legal Reasoning

Demand • 3 Credit Hours

Introduction to the methods and applications used in understanding and advocating issues in law. The goal of the course is to allow students to learn how to read, write and speak as an effective advocate using the applications of basic legal reasoning. Class will meet for 3 hours each week for lecture and interactive classroom assignments/applications. Prerequisites: PSC 120, 201 and 208.

PSC 0431 • Constitutional Law I

Demand • 3 Credit Hours

Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government and the First Amendment rights of freedom of expression.

PSC 0432 • Constitutional Law II

Demand • 3 Credit Hours

Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process and equal protection clauses.

PSC 0435 • Philosophy of Law

Fall • 3 Credit Hours

Philosophy of Law will relate traditional themes of legal philosophy to the concerns of modern society. Through readings and discussions students will be exposed to controversial questions and imaginative use of cases and stories. Emphasis will be on understanding the evolution of theory within varied topics of law. Prerequisite PSC 120 or consent of instructor.

INTERNATIONAL RELATIONS

PSC 0321 • International Relations

Demand • 3 Credit Hours

Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.

PSC 0352 • Introduction to Comparative Politics

Fall • 3 Credit Hours

The course introduces students to the principles and techniques of the comparative politics subfield. Material includes the structure of government in constitutional and authoritarian regimes, political institutions, political processes, political economy, and major global issues. The course examines themes of democratization, institutional design, parties and party systems, as well as the impact of social and economic change on the conduct and evolution of modern political systems. Prerequisite: PSC 120 or consent of instructor.

PSC 0434 • American Foreign Policy

Spring • 3 Credit Hours

The course explores the theoretical and methodological approaches used to analyze American foreign policy. The material focuses on the various governmental institutions and societal forces which shape American foreign policy including, executive-legislative relations, the military, economics, public opinion, interest groups, and the bureaucracy. The major emphasis is on American foreign policy since World War Two. Theoretical material is applied to U.S. relations with important world regions including, Europe, Latin America, Africa, Asia, and the Middle East. Prerequisite PSC 120 or consent of instructor.

PUBLIC SERVICE AND PUBLIC ADMINISTRATION

PSC 0320 • State Government

Demand • 3 Credit Hours

General structure, theories, operation and problems of state government with special emphasis on the government of Missouri.

PSC 0342 • Public Policy

Demand • 3 Credit Hours

An introductory survey of the formulation, execution and evaluation of public policy in the United States.

PSC 0421 • Public Administration

Demand • 3 Credit Hours

Administrative aspects of government. Surveys the major subfields of public administration, including politics and administration organizational theory organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation and administrative law.

PRE-PROFESSIONAL

Mission

This curriculum allows Missouri Southern students to complete admission requirements for professional schools that accept applicants who have completed approximately 60 hours. Students should incorporate professional school requirements into their schedule and work closely with an advisor at Missouri Southern. Also, students who are completing certification requirements for paramedic programs may transfer among Missouri public four-year colleges and universities.

For additional information contact:

Dr. Richard Miller

Hearnes Hall 306

417-625-9385 • **miller-r@mssu.edu**

SOCIAL SCIENCES

FACULTY: ***Wells-Lewis*** - *Interim Chair,* ***Bever, Davenport, Delehanty, Fischer, Greer, Gubera, Locher, Nicoletti, Shoaf, Smith, Teverow & Wagner***

Webster Hall 245 • 417.625.9565

The Social Sciences department consists of faculty, programs and courses in Anthropology, Geography, History, Paralegal Studies, Political Science and Sociology. Please see these specific headings for more information about each program.

SOCIOLOGY

FACULTY: ***Wells-Lewis - Interim Chair, Greer, Gubera, Locher***

Webster Hall 245 • 417-625-9565

Mission

The primary mission of the Sociology Program is to prepare our students for dynamic leadership and responsible citizenship in their communities, their nation, and the world. The program also contributes to the broader mission of the University by providing students the opportunities to cultivate critical thinking, communication, and technological skills that will develop an awareness of and engagement with the complex social issues of the 21st century. The faculty seeks to offer substantive instruction and intellectual nurture in Sociology, and to assist the advancement of higher-order thinking students can apply to their own lives as individuals, professionals, and citizens. The program's mission includes an emphasis on opportunities to engage the broader international world, consistent with the University's international mission. Finally, the Sociology Program seeks to build bridges and avenues of communication between the University and the community, through academic internships, public events, and partnerships with local institutions, and the sponsorship of academic programs and events for local students and their teachers.

A Bachelor's degree in Sociology prepares students for a variety of occupations and graduate programs. The student may select from a Bachelor of Arts (B.A.) in Sociology, or a Bachelor of Science (B.S.) in Sociology. A Bachelor of Science in Education degree, Social Studies major, Sociology emphasis is also available, in conjunction with the Teacher Education program and certifies a student to teach on the secondary school level. Sociology graduates pursue many different careers, which include but are not limited to those in human and social services, human resources, business, or teaching. Advanced graduate or professional school training would also be a choice for the student who successfully completes one of our bachelor degrees.

A minor in sociology provides students majoring in other areas with specialized interpersonal, group, and organizational knowledge and skills.

Our department sponsors a variety of student organizations including the Sociology Club and Alpha Kappa Delta (the national honor society for sociology students).

For additional information contact:
Dr. Ree Wells-Lewis
Webster Hall 245
417-625-9565 • wells-r@mssu.edu

Bachelor of Science ..... Major Code SO01
Sociology Major

General Education Requirements (p. 39) 46-47*		**43-44**
Sociology Requirements		42
SOC 110	Introduction to Sociology	3
SOC 405	Social Science Statistics**	3
	OR	
PSY 320	Applied Statistics**	
SOC 311	Social Stratification**	3
SOC 361	Social Demography**	3
SOC 362	Deviant Behavior**	3
SOC 401	Social Science Research Methods**	3
SOC 482	Sociological Theory**	3
SOC	Additional Sociology Courses (15 hours must be upper division)	21
Supporting Requirements		6
ANTH	Any course above ANTH 101	3
GEOG 301	GIS for Social and Political Analysis	
	OR	
GEOG 302	Environment and Society	
	OR	
GEOG 310	Human Geography	3
General Electives (minor recommended***)		32-33
Total		124****

*Required Sociology course SOC 110 satisfies three hours of General Education Requirements.
**See Prerequisites, SOC 405 meets computer literacy requirement
***Chosen in consultation with a sociology advisor.
****Must include at least 40 upper division (300-400 level) hours.

Bachelor of Science in Education ..... Major Code ES03
Social Studies Major, Sociology Emphasis Grades 9-12 Certification

General Education Requirements (p. 39) 46-47*		**34-35**
Sociology Requirements		21
SOC 110	Introduction to Sociology	3
SOC 210	Social Problems**	3
SOC 221	Marriage and Family	3
ANTH 342	Comparative Cultures**	3
SOC	Additional Courses (6 hours Upper Division)**	9
Supporting Requirements		36
HIST 110	U.S. History 1492-1877	3
HIST 120	U.S. History 1877-Present	3
HIST 130	Western Civilization To 1660	3
HIST 140	Western Civilization From 1660	3
HIST	Upper Division U.S. History courses**	6
HIST	Upper Division Latin American, Asian or European course**	3
GEOG 111	World Regional Geography	3
GEOG	Upper Division course**	3
PSC 120	Government: U.S., State and Local	3
PSC	Upper Division course**	3
ECON 101	Economics of Social Issues	3
Education Certification Requirements (p. 177)		47
Total		138-139

*Required courses in history, political science, sociology/ economics and geography satisfy major requirements and 12 hours of General education curriculum.
**See Prerequisites

Bachelor of Arts ..... Major Code S000
Sociology Major

General Education Requirements (p. 39) 46-47*..... 40-41		
Modern Language (four courses in one language)		12
Sociology Requirements		36
SOC 110	Introduction to Sociology	3
SOC 210	Social Problems**	3
SOC 405	Social Science Statistics**	3
	OR	
PSY 320	Applied Statistics**	
SOC 311	Social Stratification**	3
SOC 431	Sociological Research Methods**	3
SOC 482	Sociological Theory**	3
SOC	Additional Sociology courses	
	(12 hrs. must be Upper Division)	18
Supporting Requirements		6
ANTH	Any course above ANTH 101	3
GEOG 301	GIS for Social and Political Analysis	
	OR	
GEOG 302	Environment and Society	
	OR	
GEOG 310	Human Geography	3
General Electives (minor recommended)		29-30
Total		124***

*Required sociology course SOC 110 and 3 hours of modern language satisfy 6 hours of General Education curriculum requirements.
**See Prerequisites, SOC 405 meets computer literacy requirement
***Must include at least 40 Upper Division (300-400 level) hours.

Minor in Sociology

Minor Code.....S082

SOC 110	Introduction to Sociology	3
SOC	Additional courses*	
	(12 hours must be Upper Division)	18
Total		21

*Chosen in consultation with a Sociology advisor.

COURSE DESCRIPTIONS: SOCIOLOGY

SOC 0110 • Introduction to Sociology

Fall & Spring • 3 Credit Hours

An introductory course focused on the systematic study of society. Emphasis on major concepts of sociology and the scientific point of view in understanding and explaining human behavior and social phenomena.

SOC 0210 • Social Problems

Demand• 3 Credit Hours

A survey of contemporary social problems including racism, sexism, crime and deviance, drug use and mental disorders. The course encourages a critical examination of society and focuses on the structural sources of social problems such as class, race and gender. The role of the U.S. in global social problems is also explored. Prerequisite: SOC 110.

SOC 0221 • Marriage and Family

Demand • 3 Credit Hours

Analysis and study of paired relationships, marriage as the genesis of family life, elements in the preparation for marriage and parenthood and the development of family relationships throughout the life cycle.

SOC 0298 • Special Topics in Sociology

Demand • 3 Credit Hours

Special sociology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social science department.

SOC 0301 • Sociology of Religion

Demand • 3 Credit Hours

Examines religion as a major social institution. Compares behavioral content of religions. Major attention is given to the nature of organized religion and how religion is integrated into society. Some discussion of the behavioral expectations associated with the major religions of the world. Prerequisite: SOC 110.

SOC 0302 • Cults in the U.S.

Demand • 3 Credit Hours

This course focuses on the study of cults and New Religious Movements in the United States today. The class will examine the nature of abusive fringe groups in modern society from a theoretical perspective, looking at the various definitions and classifications of these groups in sociology. Prerequisites: SOC 110.

SOC 0303 • The Arab World

Demand • 3 Credit Hours

A sociological look at the Arab world that identifies peoples, countries, geographical settings, cultural differences, cultural change, political and religious affiliations and the emergence of contemporary issues. Special emphasis will be placed upon the Israel - Palestine - Jordan problem area.

SOC 0306 • Social Gerontology

Demand • 3 Credit Hours

A review of aging studies with particular emphasis on needs, problems, areas of concern, aging theories, social services for the elderly and accumulated data from gerontological research. Such topics as life changes, retirement and alternative life styles among the elderly will be analyzed. Prerequisite: SOC 110.

SOC 0311 • Social Stratification

Fall • 3 Credit Hours

Examination of differences in power, privilege and prestige. Analysis of the effects of social inequality on people's lives within the United States and an overview of the complex array of social structures that comprise international systems of inequality by race/ethnicity, gender and social class. Prerequisite: 6 hours of sociology.

SOC 0312 • Juvenile Delinquency

Spring • 3 Credit Hours

Analysis of environment and social background for juvenile delinquency behaviors. Investigation of behavioral content and scope of official delinquency. Review of the influences of family, school, peer groups and gangs and the juvenile justice and corrections system. Prerequisite: SOC 110.

SOC 0319 • Social Interaction

Demand • 3 Credit Hours

Theoretical examination of the individual as both a social product and a social force. Areas covered include the foundations of human interaction, process of socialization and differentiation of individuals. Focus on the formal and informal rules of interaction in our society. Prerequisite: SOC 110.

COURSE DESCRIPTIONS: SOCIOLOGY (CONTINUED)

SOC 0322 • Sociology of Work and Leisure

Demand • 3 Credit Hours

Analysis of work, occupations, career mobility and job satisfaction as important elements in society. Examination of leisure activities which alter with technological advances and the changing economic base. Prerequisite: SOC 110.

SOC 0341 • Gender Roles

Demand • 3 Credit Hours

An introduction to the biological, cultural and structural foundations of gender. Explores theories that help to explain gender, a fundamental and pervasive determinant of social life. Includes the review of studies that illustrate differences in the evaluations of men's and women's activities and traditional gender roles. Sociological implications of sex and gender at both the personal (micro) and societal (macro) levels of analysis will be discussed. Prerequisite: SOC 110.

SOC 0351 • Criminology

Fall • 3 Credit Hours

This course examines the social and legal concept of crime, the review of measurements of crime(s) and crime statistics and the theories related to the causes of criminal behaviors. Also includes discussion of profiles of different adult offenders and their behavioral characteristics relative to the major felonies committed in contemporary society. Prerequisite: SOC 110.

SOC 0354 • Medical Sociology

Spring • 3 Credit Hours

A survey of the social causes and consequences of health and illness, the expanding role of health-related organizations, the training of health care personnel and the contemporary consumer's movement. A cross-cultural comparison of health care delivery systems and a review of various social problems associated with health care in the U.S. is provided. Prerequisite: SOC 110.

SOC 0361 • Social Demography

Fall • 3 Credit Hours

A look at changes in human population through an analysis of birth rates, death rates and migrations. Social demographic analysis of census and independent research data. Various population theories are applied to national and world situations. Concepts of over-population, minority groups and aging are analyzed. Prerequisite: SOC 110.

SOC 0362 • Deviant Behavior

Spring • 3 Credit Hours

A survey of the theoretical explanations of socially disapproved behavior from the sociological perspective and the application of these concepts to specific forms of deviance. Also includes analysis of the social nature of conforming behavior as a way of increasing understanding of deviant behavior. Prerequisite: 6 hours of sociology.

SOC 0370 • The Sociology of Death & Dying

Demand • 3 Credit Hours

A review of the international religious, secular and scientific expressions regarding death. Historical and current issues pertaining to death are explored and a critical perspective is taken on all positions. The course incorporates both philosophical and pragmatic overviews of death and dying. Prerequisite: SOC 110.

SOC 0382 • Ethnic Relations

Demand • 3 Credit Hours

A study of racial and cultural groups particularly focusing on the United States with some analysis of international ethnic relations. Analyzes several general theories and explanations for minority-dominant relations. Prerequisite: SOC 110.

SOC 0391 • Penology and Corrections

Demand • 3 Credit Hours

Philosophy, history and operations of penitentiary systems with special attention given to changes in adult institutions. Explanation of the problems associated with prison populations and types of facilities along with sentences, therapeutic models and community treatment. Prerequisite: SOC 110.

SOC 0395 • Collective Behavior

Demand • 3 Credit Hours

An examination of riots, panics, mass hysterias/collective delusions, fads, social movements and other forms of collective social behavior. Includes exploration of the theories used to explain such events and the analysis of several specific episodes of collective behavior. Prerequisite: 6 hours of Sociology or consent of instructor.

SOC 0396 • Sociology of Education

Demand • 3 Credit Hours

An analysis of the functions and processes that characterize the social institution of education, including cultural transmission and social control ,and the role of education in the process of social stratification. Includes examination of attempts to achieve equality of educational opportunity by race/ethnicity, gender and social class and the relationships between education and the other social institutions including the family, religion and the economy. Prerequisite: SOC 110.

SOC 0401 • Social Science Research Methods

Fall • 3 Credit Hours

An introduction and exploration into the ways in which social scientists conduct research including various designs, including interviewing, observation, survey design, and content analysis. Emphasis will be placed on quantitative analysis and the decisions faced by social scientists when designing and applying social research. The course will cover methods of problem and hypothesis formulation, data collection and instrumentation. There will also be an emphasis placed on ethical issues in research. Prerequisite: 9 hours of Sociology.

SOC 0402 • The Community - Rural and Urban

Demand • 3 Credit Hours

Social processes of human groups who share common unities of territory and cultural bonds. Major attention on Gemeinschaft-Gesellschaft theories as they pertain to national, rural, urban, ethnic and subcultural communities and how these intertwine in contemporary societies. Prerequisite: SOC 110.

SOC 0405 • Social Science Statistics

Spring • 3 Credit Hours

Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125 or higher math or consent of instructor.

SOC 0406 • Sociology of Child Abuse

Demand • 3 Credit Hours

An analysis of child abuse and neglect within the United States. The dynamics of the family environment as well as the victim-perpetrator relationship will be examined. Emphasis will be placed on societal reaction to both abuser and the abused in addition to the behavior itself. Potential treatment alternatives will be analyzed. Prerequisite: 9 hours of sociology.

SOC 0482 • Sociological Theory

Fall • 3 Credit Hours

An exploration of classical and contemporary sociological theory placed in historical perspective from Auguste Comte to the modern era. Prerequisite: 9 hours of sociology.

SOC 0491 • Internship in Sociology

Demand • 1-4 Credit Hours

Observation of and participation in various social service agencies in the community. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating agency personnel. No more than three hours may be counted toward a major or minor. Prerequisites: 15 hours of sociology, junior standing or above and a GPA of 2.75. Repeatable for up to eight credit hours.

SOC 0498 • Advanced Topics in Sociology

Demand • 3 Credit Hours

For upper division sociology majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue in-depth research and ability to assimilate topics. It will include areas not already treated in other sociology courses. Prerequisite: 15 hours of sociology or consent of instructor.

SOC 0499 • Independent Study

Demand • 1-3 Credit Hours

Structured by the advisor with the approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Enrollment in the course must be approved by department head and dean. Repeatable for up to six credit hours.

SOCIAL WORK

FACULTY: ***White - Chair, Wolfe***

Mills Anderson Justice Center, Room 126A, 417-625-3144

MISSION

The Social Work Program will provide a learning environment where students are taught to think critically, be creative, participate actively in their education, and grow as individuals while respecting the rapidly changing and diverse world in which they will live and practice social work. Class work and special student field experiences must demonstrate how to relate effectively to all types of people and to appreciate how emotional, social, economic, political, and spiritual forces influence the behavior of those we are helping. We strive to develop competent, ethical professionals with the knowledge, values and skills for effective practice with individuals, families, groups and communities, and who can provide outstanding leadership in the field of social services.

WHY A CAREER IN SOCIAL WORK?

What Social Workers Do: Professional social workers handle such responsibilities as counseling individuals and families, assisting the homeless in finding places to live, helping those without jobs find educational or training opportunities. They deal with a broad range of social issues that can include child welfare, poverty, aging, social policies and more.

Job Availability: According the Missouri Department of Economic Development, Missouri Economic Research and Information Center, the increased demand for social workers in Missouri between 2010 and 2020 will range from 12.9 percent to 27 percent, depending on the area of employment.

Prepare for Graduate School: Graduates with a BSW wanting to obtain a Master's in Social Work (MSW) can potentially apply for Advanced Standing status which reduces the graduate credit hours required for completion of the degree.

Job Satisfaction: Social work is a career that appeals to those who want to improve the world through caring, professional practice. They go home at the end of the day knowing they have helped people. It is a "hands-on" profession.

PURPOSE OF THE PROFESSION

Purpose of the social work profession is grounded in core professional values of service, social justice, the dignity and worth of the person, the importance of human relationships, integrity, competence, human rights, and scientific inquiry. These values are consistent with the international affairs mission of the university in terms of producing social workers more sensitive to cultural diversity and committed in their ability to contribute to society as a whole. Historically, southwest Missouri and the surrounding area has been underserved by competent, engaged and ethical leaders at the local level. Additionally, the region is beginning to see an influx of diverse cultures. Thus the mission of the social work department is well matched with the political, economic, social, cultural, and demographic environment of the region and to the purpose of the profession.

COMMUNITY FIELD EXPERIENCE

All students are required to complete two courses in field work/experience equaling 450 hours of professional social work experience with 1.5 hours of seminar per week while enrolled in the field experience courses. These courses are viewed as the 'capstone' event for the student—integrating the skills, knowledge and values of the profession within a supervised, practice-based opportunity. Field experience sites are approved by the University. The matching of student, field instructor and experience site is the responsibility of the Field Experience Coordinator with input from the student.

HOW DO I ENROLL?

Any interested student may enroll in the program as a social work applicant, but for full admission to the program a student will need to have completed all their general education courses and an application to the social work department.
Typically, students will apply to the program the second semester of their sophomore year but it may occur later, depending on the student's academic progression timeline.
All students fully admitted to the program must have a minimum of a 2.75 in all coursework.

Application guidelines for full admission to the program for Fall acceptance will be available by February 1st of the prior Spring semester and the deadline to apply will be March 15. Notification of acceptance or denial will be sent to applicant by April 1st.

For more information please visit:
http://www.mssu.edu/academics/arts-sciences/social-work/

"BE THE CHANGE YOU WISH TO SEE" GHANDI

For additional information contact:
Dr. Renee White, LCSW
Justice Building 126A
417-625-3144 • white-r@mssu.edu

Bachelor of Social Work (BSW)

Social Work: Applicant SW00 ..... Major Code SW01

General Education Requirements (p. 39)		**46-47*..... 40-41**
Social Work Curriculum		50
PSY 0100	General Psychology	3
SOC 0110	Introduction to Sociology	3
SW 0231	Social Work: A Helping Profession	3
SW 0300	Social Welfare Policy and Services	3
SW 0310	Human Behavior and Social Environment	3
SW 0320	Human Behavior in the Social Environment II	3
SW 0370	Social Diversity	3
SW 0410	Practice Skills for Helping Individuals	3
SW 0420	Practice Skills for Helping Families and Groups	3
SW 0430	Practice Skills for Helping Organizations & Communities	3
SW 0470	Social Reserch and Evaluation	3
SW 0475	Social Justice Practice	3
SW 0480	Field Experience I	4
SW 0485	Field Experience II	4
Select two from:		6
COMM 0215	Interpersonal Communication (3)	
COMM 0305	Intercultural Communication (3)	
COMM 0308	Gender Communication (3)	
SOC 0406	Sociology of Child Abuse** (3)	
Electives		33-34
Total		124

*General Education Requirements in Area E2 Social and Behavioral Sciences is fulfilled by PSY 100 and SOC 110.
**See Prerequisites
A total of 40 upper division hours (300-400) is required

COURSE DESCRIPTIONS: SOCIAL WORK

SW 0231 • Social Work: A Helping Profession

Fall • 3 Credit Hours

Philosophical and historical development of social work as a professional career. Focuses on role of the social worker within the various practice settings. May entail field trips and guest speakers. Prerequisite: SOC 110 and PSY 100 with a minimum grade of 'C'.

SW 0300 • Social Welfare Policies and Services

Fall • 3 Credit Hours

Describes the role of social policy in the organization and the delivery of social services. Presents a framework for the analysis of policy development and impacts. Presents methods of influencing policy development and implementation. Prerequisites: Admission to the program.

SW 0310 • Human Behavior and Social Environment

Fall • 3 Credit Hours

Major theories of human development across the life span and life course. Ecological relationship of diverse individuals and families with other systems in the social environment described with focus on biological, psychological, and social context and content. Prerequisites: SW 231 and admission to the program or permission of the department.

SW 0320 • Human Behavior in the Social Environment II

Spring • 3 Credit Hours

Builds on concepts learned in SW 310, Presents theories on and about the development, structure, and function of small groups, organizations and communities and how they interrelate eco-systemically with individuals and families. Prerequisites: SW 231, SW 310 and admission to the program.

SW 0370 • Social Diversity

Spring • 3 Credit Hours

An examination of the effects of race, gender, religion, disability, sexual orientation, and other factors of social relationships and opportunity. Presents theories about the relationship between diversity, social injustice and oppression. Examines ethical issues in relation to social conflict and cooperation. Prerequisites: SW 231, SW 310.

SW 0410 • Practice Skills for Helping Individuals

Fall • 3 Credit Hours

The generalist model of social work practice with individuals. Within a systems perspective, presents theories of life span individual development and behavior that forms the foundation for professional intervention. Identifies strategies for working effectively with individual clients using the problem solving method. Prerequisites: Admission to the program.

SW 0420 • Practice Skills for Helping Families & Groups

Spring • 3 Credit Hours

The generalist model of social work practice with families and small groups. Within a systems perspective, presents theories of family and group behavior that forms the foundation for professional intervention. Identifies strategies for working effectively with families and groups using the problem solving method. Prerequisites: SW 300, SW 310, SW 410.

SW 0430 • Practice Skills for Helping Organizations and Communities

Spring • 3 Credit Hours

The generalist model of social work practice with individuals. Within a systems perspective, presents theories of life span individual development and behavior that forms the foundation for professional intervention. Identifies strategies for working effectively with individual clients using the problem solving method. Prerequisites: Admission to the program.

SW 0470 • Social Research and Evaluation

Fall • 3 Credit Hours

The study and experience in current methods of social research and evaluation with an emphasis on proposal development and implementation of project measurement and design. Prerequisites: SW 300, SW 370, SW 420, SW 430.

SW 0475 • Social Justice Practice

Spring • 3 Credit Hours

The study and experience in advocacy practice to affect social justice for marginalized populations. Prerequisites: SW 231, SW 300, SW 310, SW 320, SW 370, SW 410, SW 420, SW 430, SW 470.

SW 0480 • Field Experience I

Fall • 4 Credit Hours

Supervised experience in a community social service agency. Application of the knowledge, values, and skills of generalist social work practice to work with client systems in an organizational setting. Prerequisites:, SW 320, SW 370, SW 420, SW 430, admission to the field experience.

SW 0485 • Field Experience II

Spring • 4 Credit Hours

Continuation of Social Work 480. This course serves as the capstone of the social work program. Prerequisites: SW 480.

THEATRE

FACULTY: *Jaros - Interim Chair, A. Lile, J. Lile Jr., Reagan*

Thomas E. Taylor Performing Arts Center 237 • 417-625-9393

Mission

The Theatre Department affirms the mission of Missouri Southern State University and contributes to it by committing to the total education of each student. Every member of the theatre faculty is dedicated to the highest quality teaching and learning of both general education and discipline specific materials. The department prepares its majors for a large variety of careers as well as graduate education. In addition to providing scholarly and creative expression for students through its production program, it exposes the community to a diverse assortment of topical, global issues. The Theatre Department is at the very center of most creative and artistic on-campus and community events through its involvement in all cultural activities housed in Taylor Auditorium.

Implementation

The theatre faculty works closely with students in an effort to continually improve their learning experiences. Independent studies are offered each semester and new courses are introduced upon students' requests. When possible, instructors take students with them to professional conventions and conferences. Academic and performance requirements are designed to accommodate various learning styles and artistic intelligences. Faculty and students work side by side in our co-curricular production program.

A Strong Commitment to International Education:

The Theatre Department supports the international mission of the university in its theatre classrooms, on its stages and especially in the international plays selected for themed semesters. As students must become aware of the global nature of all information and comprehend the international arena in which most topical issues reside, the theatre continues to provide a fertile ground upon which to inspire such a comprehension. International travel is encouraged for all faculty and students of the department.

A Strong Commitment to Liberal Arts and General Education Requirements:

Every member of the theatre faculty is dedicated to each and every student in the university. Theatre Appreciation, the departmental General Education Requirements course, provides many students with their first theatre experience; an experience about which they can think, speak and write.

Scholarly and Creative Expression:

All theatre productions are the end product of scholarly and creative expressions. Directors, designers and actors continually research different eras, cultures, social mores and customs and historical, economic, political and literary influences in an attempt to bring accurate realities to the stage. The Theatre Department brings a balanced, comprehensive variety of plays to its students and audiences. Additionally, graduating seniors develop and complete a creative project showcasing their unique interests and talents.

Community Service:

All of the Theatre Department's productions, raising a diverse range of topics, are performed for the campus and public communities. The children's theatre program alone, plays to approximately 10,000 people each year. The Theatre Department is responsible for the operation of Taylor Auditorium, a 2000-seat auditorium that serves as a venue for events sponsored by both campus organizations and community groups.

Specialized theatre training provides students with a broad academic background that can lead to a number of careers:

Theatre Performance/Design • Television Production/Performance
Commercials • Public Relations • Stage Management
Graduate Study • Technical Theatre • Business • Secondary Education
Ministry • Professional Wardrobe Technician
Theme Park Performance/Production

Features Unique to Theatre Department:

1. working side-by-side with faculty in acting, house and stage management, directing, technical production and design;
2. a children's theatre program performing for more than 10,000 people annually from the four-state area;
3. theatre faculty members who have professional experience in their teaching specialties;
4. two theatre organizations: Southern Players and Alpha Psi Omega, a national honorary fraternity;
5. the Missouri Shakespeare Festival.

The Theatre Department offers a Bachelor of Arts degree with a major in theatre and a Bachelor of Science in Education degree with a major in Theatre/Speech (plan B). A minor in theatre is also available. During their senior year, all majors must participate in the university general assessment program.

More detailed information is available in the theatre office, Taylor Performing Arts Center, room 237.

Bachelor of Arts ..... **Major Code THOO**

Theatre Major

General Education Requirements (p. 39) 46-47*		**40-41**
Modern Language (four courses in same language)		12
Computer Literacy		3
Theatre Requirements		49
TH 0110	Theatre Appreciation	3
TH 0121,0122,0221,0222,0321 or 0322 Theatre Laboratory (Select two)		4
TH 0142	Theatre Technology	3
TH 0231	Speech for Stage I	3
TH 0232	Costume Technology	3
TH 0233	Stage Makeup	3
TH 0234	Introduction to Theatrical Design	3
TH 0241	Acting I	3
TH 0331	History of Theatre I	3
TH 0332	History of Theatre II	3
TH 0341	Acting II**	3
TH 0351	Directing I**	3
TH 0362	Stage Costume Design**	3
TH 0320	Lighting Design**	
	OR	
TH 0361	History of Costume	
	OR	
TH 0372	Directing II**	3
TH 0422	Acting III**	
	OR	
TH 0431	Creative Dramatics	3
TH 0441	Stage Design**	3
Electives		19-20
Total		124

TH 0110 fufills Area F1 and 3 hours of modern language fufill Area I of General Education Requirements.
**See Prerequisites
A total of 40 upper division hours (300-400) is required, 24 specified in theatre plus 16 electives in other areas.

Bachelor of Science in Education ..... Major Code ES21
Theatre/Speech Communications Major Grades 9-12 Certification

General Education Requirements (p. 39) 46-47*..... 40-41		
Theatre Requirements.....23		
TH 0110	Theatre Appreciation	3
TH 0121 or 0122 or 0221 or 0222, 0321 or 0322		
	Theatre Laboratory	2
TH 0142	Theatre Technology	3
TH 0212	Oral Interpretation	3
TH 0234	Introduction to Theatrical Design	3
TH 0241	Acting I	3
TH 0331	History of Theatre I	
	OR	
TH 0332	History of Theatre II	3
TH 0351	Directing I**	3
Communication Requirements		20
COMM 0101	Introduction to Human Communication	3
COMM 0215	Interpersonal Communication**	3
COMM 0304	Small Group Communication	3
COMM 0315	Argumentation and Debate**	3
Speech Communication Electives***		8
Education Certification Requirements (p. 177) *		46
Total		129-131

TH 0110 fufills Area F1 and EDUC 280 fufills Area I of General Education Requirements.
**See Prerequisites
***Must be approved in advance by the student's advisor who must be selected from either the area of speech communication or theatre. Students pursuing the BSE degree must receive no lower grade than a 'C' in all required theatre/communication courses.

Minor in Theatre

Minor Code.....TH80

TH 0121, 0122, 0221, 0222, 0321 or 0322		
Theatre Laboratory (Select two)		4
TH 0110 Theatre Appreciation		3
TH Electives selected with advisor approval*		11
Total		18

*Six hours must be upper division. Check course descriptions for prerequisite requirements.

COURSE DESCRIPTIONS: THEATRE

TH 0101, 0102, 0201, 0202, 0301, 0302, 0401, 0402 Theatre Performance
Fall, Spring & Summer • 1 Credit Hour

The performance of a role, service as a designer or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.

TH 0110 • Theatre Appreciation
Fall, Spring & Summer • 3 Credit Hours

Introduction to theatre as a communicative and fine art emphasizing collaborative efforts of playwright, artistic director, designer, actor and crew. Activities include the interpretation and evaluation of plays through scripts, live and recorded performances.

TH 0121, 0122, 0221, 0222, 0321, 0322 Theatre Laboratory
Fall & Spring • 2 Credit Hours

A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.

TH 0142 • Theatre Technology
Fall • 3 Credit Hours

Hardware and tool usage and technical drawing as applied to theatre. The use of electricity, sound and electronics in the theatre. Stage rigging, welding, new materials and construction techniques.

TH 0212 • Oral Interpretation
Spring (Even) • 3 Credit Hours

Principles and techniques for the public presentation of oral reading. Selection, analysis and preparation of different types of literature with emphasis on platform presentation of prose, poetry, drama and Readers Theatre.

TH 0231 • Speech for Stage I
Fall (Even) • 3 Credit Hours

Exercises and drills to improve projection, quality, flexibility and effectiveness of the speaking voice leading to good usage in Standard American speech based on the International Phonetic Alphabet.

TH 0232 • Costume Technology
Fall (Odd) & Demand • 3 Credit Hours

Basic techniques for construction of stage costumes from a designer's sketch. Areas covered are: fabrics, pattern development, cutting, sewing, dyeing and crafts. No previous skills required.

TH 0233 • Stage Makeup
Spring (Odd) & Demand • 3 Credit Hours

Introduction to the design and application of makeup for the stage. Focus is on the application of two-dimensional makeup for both large and small theatres. The uses and sources of a variety of materials will be discussed.

TH 0234 • Introduction to Theatrical Design
Spring • 3 Credit Hours

Theoretical information which is common to all theatrical design courses. Emphasis is on developing creativity, script analysis, techniques of scenography and collaboration, as well as the application of basic elements and principles of design in relation to the theatre.

TH 0235 • Speech for Stage II
Spring (Even) • 3 Credit Hours

A continuation of stage speech training, emphasizing resonance, range, vocal dynamics, vocal expressiveness and stage dialects. The course provides training in the most current and most significant voice methods for actors and speakers and utilizes the International Phonetic Alphabet to develop performance skills in American regional and foreign dialects. Prerequisite: TH 231

TH 0240 • Stage Combat and Physical Characterization
Spring (Odd) • 3 Credit Hours

Survey of historic and theatrical contexts or several combat forms; basic training in non-violent approaches to hand-to-hand combat, quarterstaff, broadsword and rapier. Introduction to character and emotional centers, acting with whole body and movement and voice for period styles in acting.

TH 0241 • Acting I
Fall • 3 Credit Hours

Development of individual's ability to express thought and emotion through effective use of the voice and body. Character analysis and creation revealed in exercises and scene work.

TH 0242 • Theatre Movement I
Spring (Even) • 1 Credit Hour

Historical development and implementation of theatrical movement. Exercises and assignments focus on the enhancement of nonverbal character interpretation through individual study and in-class application of movement, gestures and postures, including an assimilation of cultural influences, pantomime, masque and improvisation. Two one-hour labs per week.

TH 0243 • Musical Theatre

Fall (Odd) • 3 Credit Hours

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music and dance techniques needed for musical productions. Focus is on representative musicals from the past fifty years and specifically on the musical selected for production the spring semester of that school year. Course also offered under MUS 243.

TH 0251 • Audition Techniques for the Actor

Fall (Even) • 1 Credit Hour

Techniques of auditioning and interviewing in the theatre: selecting audition pieces, rehearsing and performing auditions. Instruction in preparing resumes and photographs for professions.

TH 0298 • Topics in Theatre

Demand • 1-8 Credit Hours

Concentrated study on a variety of selected theatre topics. Can be offered on same topic an unlimited number of times.

TH 0311 • Stage Management

Fall (Even) & Demand • 3 Credit Hours

Fundamentals of stage management. Organization of call board, rehearsals and performances. Construction of prompt book. Communication procedures between actors, director and designers. Calling the show. Prerequisite: TH 142.

TH 0320 • Stage Lighting

Spring (Odd) & Demand • 3 Credit Hours

Lighting design approached artistically. The use of lighting for atmosphere, mood and emphasis. Lighting as applied to art, television, theatre and motion pictures. Prerequisites: TH 142 & 234.

TH 0331 • History of the Theatre I

Spring (Odd) • 3 Credit Hours

Theatre from its ancient origins through the Elizabethan period. Theatre and stage architecture, scene design, acting styles, theatre management and the culture surrounding the theatrical event will be addressed with analysis of their relationship to dramatic literature.

TH 0332 • History of the Theatre II

Spring (Even) • 3 Credit Hours

The cultural background and evolution of the theatrical literature, physical theatre, staging, casting, audiences and production practices from the Jacobean period to the present day.

TH 0341 • Acting II

Spring • 3 Credit Hours

The dynamics of analysis, rehearsal and performance of scenes from contemporary and classic plays. Emphasis on the actor's relationship to the play and to other actors. Prerequisite: TH 241.

TH 0351 • Directing I

Fall • 3 Credit Hours

A comprehensive study of various problems confronting a stage director. Techniques and procedures for play selection, analysis and mounting a production. Scene directing. Prerequisite: TH 241.

TH 0361 • Costume History I

Fall (Even) • 3 Credit Hours

Survey of the garments and fabrics worn in Western cultures from Ancient Greece through the 19th Century. (Recommended for Stage Costume Design.)

TH 0362 • Stage Costume Design

Fall (Even) • 3 Credit Hours

Theory and practical aspects of costume design. Emphasis on nonverbal communication of theme, character and historical period through rendered costume designs. Prerequisite: TH 234.

TH 0363 • Costume History II

Spring (Even) • 3 Credit Hours

A service learning course. Hands-on analysis and preservation of clothing worn, in the US, during the 19th and 20th centuries. Four hours per week will be spent at the Dorothea B. Hoover museum in Joplin. Prerequisite: Instructor's approval.

TH 0372 • Directing II

Spring (Odd) • 3 Credit Hours

Study of the skills and role of a director, casting, production administration and director-actor relationship. Experience and group evaluation in directing one-act plays for public performance. Prerequisite: TH 351.

TH 0382 • Sound Design

Spring (Even) & Demand • 3 Credit Hours

Sound design approached artistically and practically. The use of sound effects and music for atmosphere, mood and emphasis. The research, recording and playback methods of sound effects and music. Types of setup and the equipment used for sound as applied to theatre and live concerts. Prerequisite: TH 142.

TH 0422 • Acting III

Fall • 3 Credit Hours

Study and presentation of selected historic performance styles, with particular attention to physical manners and speech. Emphasis on Shakespearean language and performance, farce and social comedy. Prerequisite: TH 341.

TH 0423 • Acting IV

Spring • 3 Credit Hours

This course involves the analysis, rehearsal, and performance of scenes from plays from the late nineteenth through mid twentieth century that are classified as Modern Realism. These range from works by Henrik Ibsen and Anton Chekhov to the plays of Arthur Miller and Tennessee Williams. This course builds upon the foundation laid in Acting I and II with emphasis on the personalization of the characters' experience and the discovery and playing of the characters' psychological condition. Prerequisite: TH 341 Acting II.

TH 0431 • Creative Dramatics

Fall (Odd) • 3 Credit Hours

Methods and techniques of teaching dramatic improvisations for young people through the exploration of various art forms appropriate for dramatic presentation with an emphasis on storytelling.

TH 0441 • Stage Design

Spring (Even) & Demand • 3 Credit Hours

Scene design approached artistically. Focus on nonverbal communication between directors, designers, technicians and audience members. Rendering techniques and period research will be addressed. Prerequisites TH 142 and TH 234.

TH 0450 • Advanced Lab Practicum

Fall & Spring • 1-3 Credit Hours

Advanced practical implementation of techniques learned at beginning and intermediate levels of theatre production in the areas of directing and design. Play production for public performance. May be repeated for credit.

TH 0491 • Theatre Internships

Demand • 1-3 Credit Hours

Internship in theatre provides selected students on-the-job training and experience. The student is supervised and evaluated by theatre faculty and by the supervisor at the facility where the student works. May be repeated three times.

TH 0498 • Topics in Theatre

Demand • 1-8 Credit Hours

Special topics in Theatre for upper level students.

TH 0499 • Independent Study in Theatre

Fall & Spring • 1-3 Credit Hours

Structured by the advisor with approval of department head. Prerequisite: Advanced standing in major field with GPA of 3.0. Enrollment must be approved by advisor, department head and school dean.

Accounting

Aviation

Business Education

Computer Information Science

Economics

Engineering Technology

Entrepreneurship

Finance

General **Business**

International Business

Logistics

Management

Marketing

Master of Accountancy

Master of Science in Management



Robert W. Plaster School of Business

School Dean

To Be Announced
Plaster Hall 302 • 417-625-9319

Degrees and Programs

Bachelor of Science in Business

Administration
- Accounting
- Economics
- Finance
- General Business
- International Business
- Management
- Human Resource Management
- Marketing

Bachelor of Science
- CIS - Information Technology
- CIS - Information Systems
- CIS - Computer Forensics
- CIS - Computer Science
- CIS - Computer Technology
- CIS - Computational Mathematics
- Economics
- Industrial Engineering Technology
- Logistics

Bachelor of Science in Education
(In cooperation with the School of Education)
- Business Education
- Industrial Technology Education

Associate of Science
- Manufacturing Engineering Technology
- CIS - Information Systems

Minors
- Accounting
- Economics
- CIS - Information Assurance & Security
- CIS - Information Systems
- CIS - Network Systems Administration
- CIS - Website Administration
- ET - Continuous Process Improvement
- Finance
- General Business
- International Business
- Human Resource Management
- Management
- Marketing
- Multimedia
- Quality Management*
- Entrepreneurship

Certificate of Competency
- ET - CNC Operator
- ET - Continuous Process Improvement
- ET - Quality Technician
- ET - Six Sigma Green Belt
- ET - Six Sigma Black Belt
- Entrepreneurial Accounting
- Entrepreneurial Finance
- Entrepreneurial Management
- Entrepreneurial Marketing
- Entrepreneurial Planning

Master of Accountancy
Master of Science in Management

Mission
The mission of The Robert W. Plaster School of Business (PSB) is to prepare our students to be responsible, productive professionals who serve in the global business environment. We fulfill our mission through quality programs in a student-centered learning community.

Learning Goals
Graduates of the Plaster School of Business will be:

1. Excellent communicators in writing, listening, & speaking.
2. Highly capable & productive in their field.
3. Globally, culturally, and self-aware.
4. Capable problem solvers, using quantitative & technology tools.
5. Ethical and able to provide excellence in both leadership and and support as needed.

Vision
We will achieve national recognition as being among the most innovative and market-sensitive regional business schools in the country.

Core Values
- **Learning and Research**
  We promote an environment that facilitates and supports learning, collaboration and communication by both faculty and students directed at scholarly activity and the application of knowledge.
- **Community**
  We respond to the needs of our global community by preparing responsible, productive citizens for leadership roles and by providing services that support economic development.
- **Innovation**
  We cultivate a spirit of entrepreneurship by developing new offerings and activities and by incorporating technological and pedagogical advances that support the learning environment.
- **Social Responsibility**
  We believe that faculty and students should engage in activities that foster social and ethical awareness and respond to domestic and international needs for sustainable societies.
- **Continuous Improvement**
  We commit to continually assess and improve our current programs and activities that support our mission, vision and core values.

Accreditation
Programs in the Robert W. Plaster School of Business have earned accreditation from multiple organizations. All Business programs are accredited by the ACBSP. ACBSP is the leading specialized accreditation association for busi-ness education to support, celebrate and reward teaching excellence. The Industrial Engineering Technology Bachelor of Science degree program is accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, http://www.abet.org.

Student Organizations

The Accounting Club provides accounting students information about the profession, along with the opportunity to network with practicing accountants. Members can interact through monthly meetings and various social functions and are encouraged to become active in the area's professional accounting organizations. The club publishes an annual Resume Book that is distributed as a resource to area employers that wish to hire new accounting graduates.

The Finance and Economics Club is open to all majors who desire knowledge about financial careers and investments. Meetings allow students to network with each other and financial professionals and an annual trip allows students to gain exposure to financial markets and companies.

Omicron Delta Epsilon is the honorary economics fraternity open to juniors with at least 15 hours in economics or finance and a 3.5 GPA in economics or finance courses.

Collegiate DECA is an international organization that engages students from a variety of educational disciplines while maintaining a strong focus on business-related areas such as marketing, management and entrepreneurship. Competitive events at the state and national levels allow students to gain recognition and develop leadership skills. Meetings provide networking opportunities with business professionals.

Phi Beta Lambda aims to develop competent and aggressive business leadership, to create more interest and understanding of American business enterprise and to improve business and citizenship through participation in worthy undertakings. PBL is open to all students.

Delta Mu Delta is an international honor society in Business Administration that exists to promote higher scholarship in training for business and to recognize and reward scholastic achievement in business subjects. To be inducted in the Lambda Gamma Chapter, students must major in business and graduate in the top 20% of their class.

Missouri Southern Business Education Association is open to all business education majors. Its primary goal is to provide students with information regarding the teaching profession and to prepare them for their careers. Meetings offer students the chance to make important contacts with public school teachers and administrators, state department personnel and other professionals who are featured as speakers.

The Society of Human Resource Management is designed to familiarize students with human resource administration, industrial psychology and labor relations. It also functions as a way to keep students up-to-date on new professional human resources developments.

The Society of Manufacturing Engineers Student Chapter U 178 (SME) sponsors social and educational events as well as provides students with the opportunity to network and gain the competitive edge needed for building lucrative careers. Club activities include plant tours, homecoming activities, Engineering Technology initiation event, career fairs, and other events.

The International Business Club is open to those interested in any facet of international business. Both U.S. and international students are represented. Monthly meetings give members a chance to hear guest speakers from different businesses engaged in international activities, as well as experience field trips to area businesses.

Computer Information Science Club is a forum for CIS students and other interested parties to meet and discuss topics of mutual interest and to network with potential employers and internship opportunities. The club typically hosts 4 or 5 outside speakers a year from nearly every major IT employer in the area. In addition, field trips and visits to such places as Leggett & Platt, Con-Way Truckload, Wal-Mart headquarters, and to the Mountain Underground Data Center have been organized. Through club auspices, members arrange study groups, tutoring, and community service projects and they form a personal network to help each other find internships during school and full-time jobs after graduation.

Entrepreneurship Club is open to all majors who are interested in entrepreneurship while in school or after graduation. Meetings allow students to network with each other and entrepreneurs throughout the region. Students have the opportunity to share their ideas, learn more about entrepreneurship, and host events.

Economic Development

Small Business and Technology Development Center

The Robert W. Plaster School of Business, in conjunction with the Small Business Administration, has formed a Small Business and Technology Development Center. The SBTDC was established in April 1987 and is located in the Robert W. Plaster Free Enterprise Center. The SBTDC provides existing and start-up for-profit small businesses in Jasper, Newton, Barton, Vernon, Cedar, Dade, Lawrence and McDonald counties with one-on-one consulting. In addition, the SBTDC assists businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars and workshops for the local businesses.

The International Trade and Quality Center

The mission of the International Trade and Quality Center in the Robert W. Plaster School of Business is to:

1. Develop international consulting and other relevant services for four-state organizations and individuals who are or wish to be involved in international trade;
2. Assist area organizations in their quest for continuous improvement of products, processes and services to enhance quality while reducing cost;
3. Enhance the business curriculum by providing international and quality resources, internship opportunities and other appropriate assistance for faculty and students.

Business and Economic Lecture Series

The Robert W. Plaster School of Business sponsors an annual lecture series. Speakers of interest to both students and local business people are featured.

SBTDC Workshops

The Robert W. Plaster School of Business has established workshops to help local businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars for the local businesses.

Professional and Executive Learning

The office of Professional & Executive Learning at Missouri Southern State University seeks to become a recognized engine of economic growth in the 4—state area, anchored by Joplin, MO. Housed in the Robert W. Plaster School of Business, the office of Professional & Executive Learning offers support to the community and organizations through non-credit seminars, certificate programs, solutions consulting, customized learning, and other programs to help individuals, non-profits and businesses in the 4-state region. For more information contact Lisa Robinson at 417-625-9575 or Robinson-L@mssu.edu.

Business General Education Requirements

All BSBA candidates must take the following "core" courses in addition to the courses required in their major (see course descriptions for prerequisites):

Mathematics - All candidates for the BSBA degree must complete MATH 129 (Finite Math) or higher as their General Education mathematics course.

Business Administration Core Requirements

ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting	3
ECON 201	Principles of Economics-Macro	3
ECON 202	Principles of Economics-Micro	3
FIN 350	Financial Management	3
GB 301	Legal Environment of Business I	3
GB 320	Business Communication	3
GB 321	Business Statistics I	3
IB 310 **	International Business	3
MGMT 237	Using Information Systems	3
MRKT 300	Principles of Marketing	3
MGMT 350	Fundamentals of Organizational Management	3
MGMT 452*	Strategic Management	3
Total Business Core		39

*MGMT 452 Prerequisites: Senior standing, MRKT 300, MGMT 350, FIN 350 and should be taken during last semester of university work.
**IB 310 will satisfy Area I of the General Education requirements.

ACCOUNTING



FACULTY:

Comstock, Garner, Huffman,
Mattix, D. Smith
For more information call 417-625-9319

Mission

The mission of the Department of Accounting at Missouri Southern State University is to help meet the needs of our society for business school graduates by providing quality accounting education. Consistent with the University's mission, the Department of Accounting embraces an integration of liberal and professional education to enable students to develop the ability to excel in the complex work environment of business. The curriculum combines extensive accounting study with a focus on development of student competencies in the areas of professional integrity, social responsibility oral and written communications, interpersonal relationships, technology management, research experience, international business affairs and critical thinking skills.

The BSBA accounting major course of study is designed to prepare the student to enter any area of the accounting profession, to successfully complete the Certified Public Accountant or other professional certification examination and/or to enter graduate school. Majors in accounting must earn a grade of 'C' or above in all accounting courses in order to earn a BSBA.

Prospective accounting majors should take note of the requirements for entry into the profession. The State of Missouri requires 150 hours of college credit, including an undergraduate degree, before a candidate may sit for the Certified Public Accountant examination. Most other states have similar requirements. The American Institute of Certified Public Accountants requires new members to have 150 semester hours of college credit in order to join. Accounting majors desiring to meet this requirement should note the "150-hour" recommendations at the end of the BSBA suggested order of study or plan to obtain a graduate degree such as our Master of Accountancy degree.

A minor in accounting for both BSBA and non-BSBA degree candidates is also offered.

150-Hour Recommendations

Beyond the Master of Accountancy degree or additional undergraduate accounting courses, the student may find it helpful to concentrate any remaining hours in a single area such as finance, computer science, communications, a foreign language, total quality management or similar pursuits. Students may wish to consider a double-major in Accounting and CIS.

For additional information contact:
Business Student Advising Office
Plaster Hall 310
417-625-3182
psb@mssu.edu

Accounting Emphasis ..... Major Code AC00
Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44		
Business Core (p. 135)*		39
Accounting Major**		27
ACCT 309	Accounting Information Systems	3
ACCT 312	Intermediate Accounting I	3
ACCT 322	Intermediate Accounting II	3
ACCT 332	Intermediate Accounting III	3
ACCT 375	Tax Accounting I	3
ACCT 385	Cost Accounting	3
ACCT 411	Auditing	3
Pick two from the following		6
ACCT 376 and 476 VITA I (2) and VITA II (1) - 3 hrs total		
ACCT 402	Advanced Accounting (3)	
ACCT 408	Tax Accounting II (3)	
ACCT 422	Advanced Cost Accounting (3)	
Electives		14-15
Total		124

*Required course in economics (ECON 201) satisfies major requirement and three hours of General Education Requirements.

** Majors in accounting must earn a grade of 'C' or above in all accounting courses in order to earn a BSBA.

Those interested in sitting for the CPA exam should consider: Advanced Accounting and Tax Accounting II. Those interested in sitting for the Certified Management Accountant exam should consider: Tax Accounting II and Advanced Cost Accounting.

Looking for more info? Check out MSSU.EDU today!

Minor in Accounting • Non-BSBA Degree Candidates
Major Code.....AC80

Required Courses:		
ACCT 309	Accounting Information Systems	3
ACCT 312	Intermediate Accounting	3
ACCT 375	Tax Accounting I	3
GB 301	Legal Environment of Business I	3
FIN 350	Financial Management	3
Upper Division Accounting electives		6
Total for Minor (Accounting)		**21**

*Must meet prerequisites of individual courses.

Minor in Accounting • BSBA Degree Candidates
Major Code.....AC81

Required Courses:		
ACCT 309	Accounting Information Systems	3
ACCT 312	Intermediate Accounting	3
ACCT 375	Tax Accounting I	3
Upper Division Accounting electives		9
Total for Minor (Accounting)		**18**

COURSE DESCRIPTIONS: ACCOUNTING

ACCT 0201 • Principles of Financial Accounting

Fall, Spring & Summer • 3 Credit Hours

An introduction to accounting as an information communication function that supports economic decision making. The topics covered should help students understand the development of financial statements and their interpretation. Prerequisite: MATH 30 or higher.

ACCT 0202 • Principles of Managerial Accounting

Fall, Spring & Summer • 3 Credit Hours

Use of accounting as a tool for the process of planning, controlling and decision making. Emphasis on where accounting data is obtained, what kind of information is needed and how it is used in the management process. Prerequisite: ACCT 201.

ACCT 0309 • Accounting Information Systems

Fall & Spring • 3 Credit Hours

A comprehensive study of the objectives, uses, evaluation and design of accounting information systems. The course is for students who will soon be assuming the responsibilities of professional accountants and need to know how accounting information systems function. Prerequisite or Co-Requisite: ACCT 202.

ACCT 0312 • Intermediate Accounting I

Fall & Spring • 3 Credit Hours

A study of the four major financial statements, the conceptual framework underlying financial reporting, and generally accepted accounting principles (GAAP) for revenue recognition. Emphasis is placed on the importance of professional career development and ethics in the financial reporting process. Prerequisites: ACCT 202 with a grade of 'C' or above and MATH 129 or higher.

ACCT 0322 • Intermediate Accounting II

Fall & Spring • 3 Credit Hours

Course that covers financial accounting for business enterprises (with emphasis on the corporation). Emphasizes topics in areas of: accounting for assets, liabilities and stockholders' equity. Prerequisite: ACCT 312 with grade of 'C' or above.

ACCT 0332 • Intermediate Accounting III

Fall & Spring • 3 Credit Hours

Third of three courses that comprehensively cover financial accounting concepts and standards for business enterprises (with emphasis on the corporation). Coverage includes: (1) derivatives, (2) investments, (3) income taxes, (4) post-retirement benefits, (5) leases, (6) cash flows, (7) accounting changes and errors, (8) troubled debt restructuring, and (9) full disclosure in financial accounting. Prerequisite: ACCT 322.

ACCT 0375 • Tax Accounting I

Fall • 3 Credit Hours

Procedures for reporting federal income taxes with emphasis on income and deductions for individuals. Practice in preparing federal income tax returns. Prerequisites: ACCT 201 and 202 with a 'C' or above or permission.

ACCT 0376 • VITA I

Spring • 2 Credit Hours

An in-depth study of individual income taxation with particular emphasis on federal and Missouri tax return preparation. Students must pass the required tax certification exams offered by the IRS and will prepare individual tax returns. Prerequisite: ACCT 375 with a C or higher.

ACCT 0385 • Cost Accounting

Spring & Summer • 3 Credit Hours

Study of accounting cost systems providing information generation for managerial planning and control. Special emphasis is placed on both technology and Quality Management as applied to industrial and service enterprises. Prerequisites: ACCT 202 with a 'C' or above, GB 321.

ACCT 0402 • Advanced Accounting

Fall • 3 Credit Hours

Application of accounting principles of business combinations, consolidated financial statements, foreign currency transactions, international accounting and governmental accounting. Prerequisite: ACCT 322.

ACCT 0408 • Tax Accounting II

Spring • 3 Credit Hours

Procedures for reporting federal income taxes with emphasis on corporations, partnerships, estates and trusts. Practice in preparing federal income tax returns of these business entities. Prerequisite: ACCT 375 or permission.

ACCT 0411 • Auditing

Fall & Spring • 3 Credit Hours

Overview of the certified public accounting profession with special attention to auditing standards, professional ethics, the legal liability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, the use of statistical sampling and performing an audit. Prerequisites: ACCT 312, ACCT 309. Prerequisite or co-requisite: ACCT 322.

ACCT 0422 • Advanced Cost Accounting

Demand • 3 Credit Hours

Advanced study in decision models and cost information, system choice, strategy, and management control. Special emphasis on Quality Management and time related management control initiatives. Prerequisite: ACCT 385.

ACCT 0476 • VITA II

Spring • 1 Credit Hour

A continuation of VITA I where students prepare federal and other state tax returns. Students must pass the Basic, Intermediate and Advanced tax certification exams offered by the IRS, and will review basic and intermediate tax returns and prepare advanced individual tax returns. Prerequisite: ACCT 376 or instructor permission.

ACCT 0491 • Internship in Accounting

Demand • 1-12 Credit Hours

An internship for senior accounting students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

ACCT 0498 • Advanced Topics in Accounting

Demand • 1-3 Credit Hours

For upper division accounting or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

ACCT 0499 • Independent Study in Accounting

Demand • 1-6 Credit Hours

Individually directed readings, research and discussion in selected areas of accounting for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.

AVIATION

FACULTY:

Plaster Hall • 417-625-9394

The Aviation program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri. Special fees above tuition are required for this course.

For additional information contact:
Dr. Paula Carson • Hearnes Hall 208
417-625-9394 • carson-p@mssu.edu

AV 0200 • Basic Pilot Training

Demand • 5 Credit Hours

An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. Special fees and a third class medical certificate are required. Special fees for this course include plane rental and examiners test fee. Course grade is recorded as Pass or Fail.

BUSINESS EDUCATION

FACULTY:

Block

Plaster Hall 309Q • 417-625-9603

The BSE business major course of study prepares graduates to teach business at the secondary level.

Business education majors must have a cumulative GPA of 2.75 in all course work and must maintain a cumulative GPA of 2.75 in business courses.

Bachelor of Science in Education ..... **Major Code** ES10

Business Major

General Education Requirements (p. 39)		**46-47*..... 40-41**
Education Courses (p. 177) **		46-47
Business Major		43-45
ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting	3
ECON 201	Principles of Economics-Macro	3
GB 301	Legal Environment of Business I	3
GB 412	Implementing Business Education Programs	3
IB 310	International Business	3
MGMT 237	Using Information Systems	3
MRKT 300	Principles of Marketing	3
MGMT 337	Management Information Systems	3
MGMT 350	Fundamentals of Organizational Management	3
MRKT 405	Internet Marketing	3
Electives		4-6
Total		**129-133**

*ECON 201 satisfies part of Area E2 of Gen. Ed. Requirements.
**EDUC 280 satisfies Area I of Gen. Ed. Requirements.

For additional information contact:
Dr. Beverly Block • Plaster Hall 309Q
417-625-9603 • block-b@mssu.edu

COMPUTER INFORMATION SCIENCE

FACULTY:

Oakes - Chair, Collins, Herr, Pinet, Schiavo & Tunnell

Plaster Hall 223 • 417-625-9383

Mission

The Computer Information Science (CIS) Department provides opportunities for a broad undergraduate education in the many aspects of computer information technology. The program offers courses of instruction that develop a thorough understanding of current methods used in the design and implementation of computer based solutions.

Fundamental Values

Pursuant to the department's educational mission, the faculty:

- Maintains the currency of the curriculum through ongoing research and consultation with industry representatives.
- Engages in professional development that allows its members to remain current in their fields and to provide technological leadership to the university community.
- Is committed to the success of its students, both during and after college.

Program Goals

The Computer Information Science program will produce graduates who:

- Understand and can utilize core information technologies.
- Can analyze, design and implement effective technology based solutions.
- Have requisite communication and quantitative skills.
- Work effectively as team members.
- Are committed to lifelong personal and professional development.
- Conduct themselves in an honorable and ethical manner.

Curricula Options

Within this context, the Department offers the following curricula options:

- Bachelor of Science in CIS–Information Technology
- Bachelor of Science in CIS–Computational Mathematics
- Bachelor of Science in CIS–Computer Forensics
- Minor in CIS–Network Systems Administration
- Minor in CIS–Information Systems
- Minor in CIS–Website Administration
- Minor in CIS–Information Assurance and Security
- Associate of Science in CIS

The four Bachelor of Science in CIS alternatives prepare the student for graduate school or entry-level positions such as systems programmer, systems analyst, applications programmer, database administrator, computer forensics analyst, user support specialist, network administrator or website administrator.

Information Technology and Information Systems is distinguished by selected courses that develop the student's understanding of an organization's information requirements and procedures for designing and implementing an information system that will facilitate its management.

Computational Mathematics meets the requirements for a double major in Computer Information Science and Mathematics. The student takes CIS and mathematics classes that develop an expertise in applied mathematics and the theoretical foundations of computer science. Such knowledge is required to design and implement computer solutions for a wide range of problems encountered in science and engineering.

Computer Forensics fulfills the requirements for a double major in Computer Information Science and Criminal Justice Administration. Computer Forensics involves techniques for securing computer networks as a precaution against criminal threat. In addition, it includes the identification, extraction, preservation and documentation of computer evidence for the purpose of identifying and prosecuting perpetrators of computer-based crime.

A minor or associate of science provides the student pursuing some other major with a credential and expertise in computing, an enhancement that is becoming increasingly important in almost every area of science, education, business and the arts. The Network Systems Administration alternative is designed to provide the student with the knowledge base necessary for managing local/wide area computer networks, as well as being able to provide user support and training in the area of personal computer hardware and application software. The Website Administration curriculum focuses on the knowledge and skills needed to build and provide on-going support for effective and useful Internet websites. The Information Assurance and Security minor develops the skills needed for the protection of computer networks and institutional data.

In addition to these options, the Computer Information Science Department in collaboration with other departments within the Plaster School of Business has developed a curriculum alternative that will qualify the student for a Bachelor of Science in CIS, along with a Bachelor of Science in Business Administration degree with a selected emphasis such as accounting, finance and economics, marketing, management, international business or general business.

The nature of Computer Information Science is such that a student selecting this major should enjoy and have a talent for solving problems. The effectiveness of the CIS curricula is measured by the success of our graduates. Their average starting salaries are among the highest when compared to other majors and placement records indicate that they have enjoyed an excellent placement rate. Many hold positions as middle and upper-level managers for a wide range of organizations and several have earned graduate degrees.

Only courses in which a student has earned a grade of 'C' or above will satisfy departmental requirements for the major or minor in Computer Information Science.

Computer Information Science
Core Requirements

CIS Core Requirements:

CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management	3
CIS 315	Computer Networks	3
CIS 345	UNIX System Administration	3
CIS 350	Data Structures	3
CIS 375	IT Project Management	3
CIS 410	Information Systems II	3
CIS 425	Database Management II	3
CIS 450	Operating Systems	3
Total CIS Core Requirements		33

Bachelor of Science in CIS . . . . . Major Code CI04
Information Technology Option

General Education Requirements (p. 39) 46-47*		**44**
CIS Core Requirements		33
CIS Professional Electives**		24
Supporting Requirements		15-17
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
CIS 305	Microcomputer Applications	3
MATH 310	Elementary Statistics	3
Choose one from the following four:		3-5
MATH 130	College Algebra (3)	
MATH 135	Trigonometry (3)	
MATH 140	Algebra & Trigonometry (5)	
MATH 150	Calculus I (5)	
General Electives		6-8
Total		124

*Math course in supporting requirements satisfies three hours of the General Education Requirements.
**May not select CIS 105 or 305. At most three hours may be CIS 491.

Bachelor of Science in CIS . . . . . Major Code CI11 • Minor Code IE85
Information Technology Option
Minor in Continuous Process Improvement

General Education Requirements (p. 39) 46-47*		**44**
CIS Core Requirements		33
Professional Electives		18
(Choose 2 pairs from the following 3 pairs of courses)		
CIS 230	Programming with RPG and	
CIS 321	Advanced RPG	
OR		
CIS 234	Programming with COBOL and	
CIS 334	Advanced COBOL	
OR		
CIS 308	Website Administration I and	
CIS 340	Website Administration II	12
CIS	Electives**	6
Supporting Concentration		18
IET 205	Computer Applications and Cost Analysis	3
IET 315	Probability and Statistics for Engineers	
OR		
MATH 310	Elementary Statistics	
OR		
GB 321	Business Statistics	
OR		
PSY 320	Applied Statistics for the Behavioral and Natural Sciences	3
IET 320	Applied Statistical Control	3
IET 355	Work Measurement Ergonomics	3
IET 380	Principles of Lean	3
IET 470	Six Sigma Methodology	3
Supporting Requirements		3
MATH 130	College Algebra or above	3
General Electives		8
Total		124

*Math course in major requirements satisfies three hours of the General Education Requirements.

Bachelor of Science . . . . . Major Code CI02
CIS and Mathematics Major Computational Math Option

General Education Requirements (p. 39) 47*		**39**
CIS Core Requirements		33
Mathematics Core		34
MATH 150	Calculus I	5
MATH 250	Calculus II	5
MATH 260	Calculus III	3
MATH 300	Fundamentals of Math Thought	3
MATH 340	Discrete Mathematics	3
MATH 350	Introduction to Numerical Analysis	3
MATH 351	Linear Algebra	3
MATH 361	Probability and Statistics I	3
MATH 371	Operations Research	3
MATH	Elective above 320	3
Supporting Requirements		10
PHYS 250	General Physics I	2
PHYS 260	General Physics II	3
CHEM 151	General Chemistry I / Lab	5
General Electives		8
Total		124

*Math and physics courses in major requirements satisfy eight hours of the General Education Requirements.

Bachelor of Science . . . . . Major Code CI05
CIS and Criminal Justice Administration Major Computer Forensics Option

General Education Requirements (p. 39) 47*		**44**
CIS Requirements		36
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management I	3
CIS 315	Computer Networks	3
CIS 345	UNIX System Administration	3
CIS 350	Data Structures	3
CIS 410	Information Systems II	3
CIS 425	Database Management II	3
CIS 440	Computer Forensics I	3
CIS 445	Computer Forensics II	3
CIS 450	Operating Systems I	3
CJAD Requirements		33
LE 100	Introduction to Criminal Justice	3
LE 200	Crime Scene Investigation I	3
LE 210	Criminal Procedures	3
LE 232	Ethics Criminal Justice	3
LE 250	Criminal Law	3
LE 280	Interview & Report Writing	3
CJAD 330	Asset Protection	3
CJAD 340	Crime Scene Investigation II	3
CJAD	Upper Division Electives	9**
Supporting Requirement		3
MATH 130 College Algebra or above		3
General Electives		8
Total		124

*Math course in major requirements satisfies three hours of the General Education Requirement.
**One upper division elective needs to be writing intensive.

Associate of Science in CIS - Information Systems
Major Code.....CI07

General Education Requirements (p. 40) 27-28*		**24-25**
CIS Requirements		27
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management Systems I	3
CIS 410	Information Systems II	3
CIS	Electives**	12
Supporting Requirements		3
MATH 130	College Algebra or above	3
General Electives		9-10
Total		64-65

*Math course in major requirements satisfies three hours of the General Education Requirements.
**May not select CIS 105 or 305.

Minor in CIS - Information Systems
Minor Code.....CI80

CIS Requirements		**21**
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management Systems I	3
CIS 410	Information Systems II	3
CIS	Electives*	6
Total		21

*May not select CIS 105 or 305.

Minor in CIS - Network Systems Administration
Minor Code.....CI82

CIS Requirements		**21**
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 315	Computer Networks	3
CIS 325	Windows LAN Administration	3
CIS 345	UNIX System Administration	3
CIS 355	Enterprise Network Admin & Security	3
CIS	Elective*	3
Total		21

*May not select CIS 105 or 305.

For additional information contact:
Tracy Gilmore, Department Secretary
Computer Information Science
Plaster Hall, Room 223E • 417-625-9383
gilmore-t@mssu.edu

Minor in CIS - Website Administration

Minor Code.....CI83

CIS Requirements		**21**
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 308	Website Administration I	3
CIS 310	Database Management Systems I	3
CIS 340	Website Administration II	3
CIS 345	UNIX System Administration	3
CIS 385	Mobile Application Development	3
Total		21

Minor in CIS - Information Assurance & Security

Minor Code.....CI84

CIS Requirements		**27**
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 315	Computer Networks	3
CIS 325	Windows LAN Administration	3
CIS 345	UNIX System Administration	3
CIS 355	Enterprise Network Admin & Security	3
CIS 405	Cryptography and .NET Security	3
CIS 440	Computer Forensics I	3
CIS 445	Computer Forensics II	3
Total		27

COURSE DESCRIPTIONS: COMPUTER INFORMATION SCIENCE

CIS 0105 • Introduction to Microcomputer Use

Fall & Spring • 3 Credit Hours

Instruction in the fundamental use of microcomputers through packaged software and operating systems. The course provides a broad introduction to hardware, software, computer networks, online social networking and library database searches. Major application areas are discussed, such as word processing, spreadsheets and presentation tools.

CIS 0110 • Programming I

Fall & Spring • 3 Credit Hours

Introduces programming in a personal computer-based environment. The student will learn the fundamentals of PC hardware, operating systems and programming. Special emphasis is placed on proper program style, including modularity and structured design. The language of implementation is Visual C#. Co-requisite: MATH 130 or above.

CIS 0202 • Information Systems I

Fall & Spring • 3 Credit Hours

This course provides an overview of the broad field of information systems and technology. Explores the function of information systems and technology in modern organizations. Explores the options for graduates in the field. Introduces terms and concepts that are used throughout the field. Examines options for professional development in the field. Examines the design of information systems. Emphasizes the student's ability to clarify problem statements and define objectives with discussion of analysis of information systems using standard methodologies.

CIS 0210 • Programming II

Fall & Spring • 3 Credit Hours

Continued development of the programming and problem solving skills introduced in CIS 110. Structured programming and the object-oriented paradigm are emphasized. Includes an in-depth coverage of strings, arrays, files, classes and namespaces. Introduces Windows application programming. The language of implementation is Visual C#. Prerequisite: CIS 110 with a grade of 'C' or above.

CIS 0230 • Midrange Solutions I

Spring • 3 Credit Hours

Introduces the programming skills needed to develop and maintain software solutions for the IBM iSeries platform. This machine is extensively used by regional banks, companies that create and market software for regional banks, and the trucking industry. The language of implementation is RPG. Includes language syntax and practice in preparing, compiling, and executing applications of increasing complexity. Prerequisite: CIS 210 with a grade of C or above.

CIS 0234 • Enterprise Solutions I

Fall • 3 Credit Hours

Introduces the programming skills needed to develop and maintain software solutions for Fortune 500 companies. The programming language of implementation is COBOL. Applications may include payroll processing, inventory control, and billing systems. Syntax of the language, report production using both sequential and indexed files, and structured methodologies are major topics. Prerequisite: CIS 210 with a grade of C or above.

CIS 0298 • Topics in Computer Information Science

Demand • 1-3 Credit Hours

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisites may be specified in each course syllabus.

CIS 0305 • Microcomputer Applications

Fall & Spring • 3 Credit Hours

Provides coverage of the most common environments and software tools for the serious user of microcomputers. Hardware topics are included to allow the student to compare and select from system configurations according to his/her computing requirements. A variety of data communication and webpage development topics are covered. The main emphasis is on the Microsoft Office suite (Word, Excel, and PowerPoint), with special attention given to an in-depth coverage of Excel. Prerequisite: Math 129 or above with a grade of C or above and CIS 105 with a grade of B or above or credit-by-exam for CIS 105. (Upon request, credit-by-exam for this course is available. For more information, contact the CIS departmental secretary.)

CIS 0308 • Website Administration I

Spring • 3 Credit Hours

Provides an introduction to the administration of a World Wide Website. Includes Internet concepts, design strategies, graphic and multimedia construction, legal and ethical implications, dynamic HTML and client-side programming. Prerequisite: CIS 110 with a grade of 'C' or above.

CIS 0310 • Database Management Systems I

Fall & Spring • 3 Credit Hours

Introduces the fundamentals of database management, relational database management systems and programming for GUI. Database topics covered include entities, attributes, relationships, transactions, queries and integrity rules. Server side database concepts are illustrated with MS Access. The client side user interface and business logic is implemented in Visual Basic. Prerequisite: CIS 210 with a grade of 'C' or above.

COURSE DESCRIPTIONS: COMPUTER INFORMATION SCIENCE (CONTINUED)

CIS 0315 • Computer Networks

Fall & Spring • 3 Credit Hours

Introduces the hardware and software that are integrated to form a computer network. Topics include an in-depth look at TCP/IP, data communication hardware, public networks such as the Internet and LAN and WAN network standards. Co-requisite: CIS 110 or CIS 305 or DDET 115 or MGMT 237.

CIS 0321 • Midrange Solutions II

Fall • 3 Credit Hours

Emphasizes online solution development for the IBM iSeries platform. Major topics include file creation and maintenance, structured methodologies, advanced features of RPG, IBM OS/400 environment, CL programming, Queries, DB2/400, PL/SQL and Internet application connectivity. Prerequisite: CIS 230 with a grade of 'C' or above.

CIS 0325 • Windows LAN Administration

Spring • 3 Credit Hours

Provides a thorough introduction to the design, installation and management of Microsoft Server local area networks. Network configuration, security, backup and recovery are major topics. User rights and privileges, file and device sharing and Web applications are also covered. Prerequisite: CIS 315 with a grade of 'C' or above.

CIS 0334 • Enterprise Solutions II

Spring • 3 Credit Hours

Emphasizes on-line programming and special considerations implicit in real-time applications typical of Fortune 500 companies. File creation and maintenance of indexed and sequential files and advanced features of COBOL are major topics. Prerequisite: CIS 234 with a grade of 'C' or above.

CIS 0340 • Website Administration II

Fall • 3 Credit Hours

Continued development of subjects related to the administration of a World Wide Website. Emphasizes server-side programming issues. Particularly concerned with the creation and maintenance of a commercial site. Includes syntax and practice in ASP, CSS, CGI/Perl, VBScript, JavaScript and XML. Prerequisite: CIS 308 with a grade of 'C' or above.

CIS 0345 • UNIX System Administration

Fall & Spring • 3 Credit Hours

Introduces the UNIX operating system. Topics covered include basic UNIX commands, system configuration, the file system, process control, shell programming, the network file system, CGI programming and system security. Prerequisites: CIS 210 and CIS 315 with a grade of 'C' or above.

CIS 0350 • Data Structures

Fall & Spring • 3 Credit Hours

Provides for the continued development of the student's knowledge of data structures and object-oriented programming. Includes an in-depth coverage of linked lists, stacks, queues, trees and graphs. Special emphasis is placed on the coverage of algorithms that are designed to efficiently manipulate these structures and techniques for selecting the most appropriate data structures for a given application. The language of implementation is Visual C#. Prerequisite: CIS 210 with a grade of 'C' or above.

CIS 0355 • Enterprise Network Administration and Security

Spring (Even) • 3 Credit Hours

Covers essential techniques and best practices for securing an enterprise inter-network. Major topics include routing and inter-network design, firewalls, proxy servers, authentication and encryption, virtual private networks, security policy design, disaster recovery planning, hardware troubleshooting and performance analysis. Prerequisites: CIS 315 and CIS 345 with a grade of 'C' or above. Co-requisite: CIS 325.

CIS 375 • Information Technology Project Management

Fall • 3 Credit Hours

Emphasizes managerial and analytical skills more than technological skills. The course will provide an introduction to Project Management Body of Knowledge (PMBOK®) and will use industry standard project management software to model skills in project definition and planning, and also the response to unexpected changes in environment, resources, or other features. Finally, it will include a section on the human side of management, in particular management of high-tech employees. Prerequisites: CIS 202 - Information Systems I and Junior or above standing or permission of the instructor.

CIS 0385 • App Development for Android Devices

Fall • 3 Credit Hours

Covers basic concepts and techniques for creating mobile applications using the Java language. Topics include a Java introduction, Android operating system fundamentals, IDE fundamentals, layout design, user gesture detection, application lifecycle, animation, sound, resource files, menus, and multithreading. Prerequisite: CIS 210 with a grade of C or above.

CIS 0395 • App Development for iOS Devices

Spring • 3 Credit Hours

Covers essential concepts, tools, and techniques used to develop applications for Apple iOS devices (iPhones, iPads, and iPods). Topics include the Swift programming language, the iOS SDK (Software Development Kit), and the Xcode IDE (Integrated Development Environment). The student will learn how to use Swift to design and implement mobile interfaces, how to use the SDK libraries to build applications that have the proper look and feel, and how to design and handle user input and other aspects of mobile application development. Prerequisite: CIS 210 with a grade of 'C' or above..

CIS 0405 • Cryptography & .NET Security

Spring • 3 Credit Hours

This course provides an introduction to implementing the security and cryptography features found in the .NET platform. Students will gain a knowledge of basic cryptography theory and learn to use symmetric algorithms, asymmetric algorithms and digital signatures. Prerequisite: CIS 210 with a grade of 'C' or above or permission of the instructor.

CIS 0410 • Information Systems II

Fall • 3 Credit Hours

Continued development of the ability to analyze and design computer-based information systems. Includes coverage of analysis and design methodologies, computer-aided software engineering tools and project management techniques. Topics are illustrated with in-depth case studies. Emphasizes teamwork. Prerequisites: CIS 202 and 310 with a grade of 'C' or above.

CIS 0425 • Database Management Systems II

Spring • 3 Credit Hours

Includes a survey of database management theories with experience in the application of database technology. An emphasis will be placed on the relational model. Functions of database management systems, data modeling and database systems design and implementation in a client/server environment are stressed through case studies. Prerequisites: CIS 310 and CIS 410, with a grade of 'C' or above.

COURSE DESCRIPTIONS: COMPUTER INFORMATION SCIENCE (CONTINUED)

CIS 0440 • Computer Forensics I

Spring • 3 Credit Hours

Introduces the basics of computer forensics. Topics covered include backups and data recovery, hard drive imaging and forensic analysis of recovered data, data hiding and encryption techniques, reconstruction of past events, techniques used to compromise and safeguard computers, surveillance tools, analysis of data and collection and preservation of electronic evidence. Students will be introduced to forensic techniques and available electronic tools for forensic analysis. A basic knowledge of networks and UNIX/Linux, as well as a thorough knowledge of Windows is assumed. Prerequisites: CIS 315 and CIS 345 with a grade of 'C' or above.

CIS 0445 • Computer Forensics II

Fall • 3 Credit Hours

A continuation of Computer Forensics I with an emphasis on the use of the professional forensic software tools like Access Data's Forensic Tool Kit and Guidance Software's EnCase. Prerequisite: CIS 440 with a grade of 'C' or above.

CIS 0450 • Operating Systems

Fall • 3 Credit Hours

Fundamental concepts of operating system design. Emphasis is placed on identifying the problems an operating system must solve and considering the range of alternative solutions that may be implemented. Topics include process management, memory management, processor management, auxiliary storage management and security. The Linux operating system is highlighted. Prerequisite: CIS 350 with a grade of 'C' or above. Co-requisite: CIS 345.

CIS 0491 • Internship in Computer Information Science

Fall & Spring • 1-3 Credit Hours

A limited number of computer information science students may serve an internship of 15 to 20 hours per week for up to 16 weeks. Credit hours will be arranged through the coordinator of the internship program. The intern will work for a local-cooperating firm in a production information technology environment gaining valuable experience in programming and/or systems analysis and design. The on-site work will be supervised by a professional employee of the firm and overseen by an MSSU faculty member. Prerequisites: Upper division standing, department head approval and an overall GPA of 3.0. This course may be repeated at most one time for additional credit.

CIS 0498 • Advanced Topics in Computer Information Science

Demand • 1-3 Credit Hours

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisite: May be specified in each course syllabus.

CIS 0499 • Independent Study

Demand • 3 Credit Hours

The advisor, with approval of the department head, structures an independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The advisor, the department head and the dean of the school must approve registration in the course.

ECONOMICS

FACULTY:

Abrahams, Adongo, Nichols & Rawlins
For more information call 417-625-9319

Mission

Economics is the study of making better decisions regarding the allocation of resources, time, and technology to achieve the best possible outcomes at the individual, organization, national and international levels. Economists provide critical skills in the management of monetary systems, investments, public policy, banking, and legal issues. Recent studies identify a bachelor's degree in economics as the best preparation for Law School in terms of lifetime earnings of practicing lawyers.

The Economics Program at Missouri Southern offers two track options: One in Business Economics (BSBA) and one in General Economics (BS). The Business Economics track requires students to complete the core classes required for all business majors, whereas the General Economics track allows students to concentrate on Economics, and then choose additional areas of study either in business, or in other areas of social science, public policy, environmental sciences and virtually any other combination of disciplines that are of interest to the student.

Economics Emphasis ..... Major Code EC10
Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44		
Business Core (p. 135)		39
Economics Major		24
MATH 150 or MATH 302		3
ECON 300	Money and Financial Institutions	3
ECON 301	Managerial Economics	3
ECON 302	Intermediate Macroeconomics	3
ECON 410	Introduction to Econometrics	3
ECON 442	International Economics and Finance	3
Choose one:		3
ECON 325	Law and Economics (3)	
ECON 435	Health Economics (3)	
Choose one:		3
ECON 460	Labor Economics (3)	
ECON 455	Enviromental & Natural Resources Economics (3)	
Business Electives		9
General Electives		8-9
Total		124

*ECON 201 or 202 satisfies 3 hours of General Education requirements in area E2.

Minor in Economics • BSBA Degree Candidates

Minor Code.....EC85

ECON 300	Money and Financial Institutions	3
ECON 301	Managerial Economics	3
ECON 302	Intermediate Macroeconomics	3
ECON 410	Introduction to Econometrics	3
Upper division Economics Electives		6
Total for Minor		18

Must meet prerequisites of individual courses.

Economics Emphasis . . . . . Major Code EC20
Bachelor of Science

General Education Requirements (p. 39) 46-47*..... 43-44		
Economics Major		33
Prerequisites		
Choose one: GB 321, MATH 310, PSC 405, PSY 320 or SOC 405		3
Chose one: MATH 150 or MATH 302		3
ECON 201	Principles of Economics-Macro	3
ECON 202	Principles of Economics-Micro	3
Required Courses		
ECON 300	Money and Financial Institutions	3
ECON 301	Managerial Economics	3
ECON 302	Intermediate Macroeconomics	3
ECON 410	Introduction to Econometrics	3
ECON 442	International Economics and Finance	3
Choose One:		3
ECON 325	Law and Economics (3)	
ECON 435	Health Economics (3)	
Choose One:		3
ECON 460	Labor Economics 3)	
ECON 455	Enviromental & Natural Resources Economics (3)	
Minor or Second Major (highly recommended)		18-27
General Electives		20-30
Total		124**

*ECON 201 or 202 satisfies 3 hours of General Education requirements in area E2.
**Must include at least 40 upper division (300-400 level) hours.

Minor in Economics • Non-BSBA Degree Candidates

Minor Code.....EC86

ECON 201	Principles of Economics-Macro	3
ECON 202	Principles of Economics-Micro	3
ECON 300	Money and Financial Institutions	3
ECON 301	Managerial Economics	3
ECON 302	Intermediate Macroeconomics	3
Upper division Economics Electives		6
Total for Minor		21

Must meet prerequisites of individual courses.

COURSE DESCRIPTIONS: *ECONOMICS*

ECON 0101 • Economics of Social Issues

Fall, Spring & Summer • 3 Credit Hours

This course will introduce students to the application of economic decision making in a discussion of current social and economic issues, focusing on today's most pressing social and economic problems from both a domestic and global viewpoint. Topics will include but not limited to the economics of education, health care, crime, drugs, inflation, poverty, urban congestion, international trade and environmental pollution. Fulfills general education requirement for Area E2. Not for Business majors.

ECON 0201 • Principles of Economics (Macro)

Fall, Spring & Summer • 3 Credit Hours

A basic course that explains the organization, operation, and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination, and stabilization of national income; unemployment and inflation; the role of money and monetary policy; fiscal policy; economic growth; international finance; and current economic problems. Co-requisite: MATH 030 or above.

ECON 0202 • Principles of Economics (Micro)

Fall, Spring & Summer • 3 Credit Hours

A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm, or industry; cost and revenue implications of various product and factor market structures; and international trade and finance. Co-requisite: MATH 030 or above.

ECON 0300 • Money and Financial Institutions

Spring • 3 Credit Hours

The nature, need, functions, role, creation and destruction of money and credit; financial institutions and their functions with special emphasis on the commercial banking system and the Federal Reserve system; introduction to monetary theory and policy; and international aspects of money and monetary policy. Prerequisites: ECON 201 and ECON 202.

ECON 0301 • Managerial Economics

Fall • 3 Credit Hours

The price system and resource allocation through a system of markets and prices; price and output determination in perfect and imperfect markets; resource markets; and income determination. Prerequisites: ECON 202.

ECON 0302 • Intermediate Macroeconomics

Spring • 3 Credit Hours

National income determination with various macroeconomic models; fiscal and monetary policy; international linkages; consumption and investment; and trade-offs between inflation and unemployment. Prerequisites: ECON 201.

ECON 0325 • Law and Economics

Fall • 3 Credit Hours

This course will introduce students to the analytical tools used by economists to understand legal systems and how laws can alter behavior to achieve efficiency or fairness objectives. Topics include legal traditions and processes, property law, contract law, tort law, criminal law. Prerequisites: ECON 201 and ECON 202.

ECON 0410 • Introduction to Econometrics

Spring • 3 Credit Hours

This applied course will introduce students to the methods used by economists to conduct evidence based research utilizing causal identification techniques. Students will plan and execute an independent research project. Topics include linear and non-linear regression, data diagnostics, endogeneity, simultaneous equations, and forecasting. Prerequisites: ECON 201, ECON 202, MATH 150 or 302 and one of the following: GB 321, SOC 405, PSC 405, PSY 320, MATH 310.

ECON 0430 • Economics of Organizations and Strategy

Demand • 3 Credit Hours

This course focuses on the application of economic theory to the inner workings of organizations and their interaction with rival firms in a business environment. Students will analyze of firm strategic behavior in competitive and noncompetitive markets using the basic concepts of economic theory. Students will also explore the firm's behavior with respect to strategic positioning and dynamics paying close attention to internal organization, personnel economics, organization structure, and strategic fit. Prerequisites: ECON 301.

ECON 0435 • Health Economics

Fall • 3 Credit Hours

This course introduces students to analytical tools used by economists to explore health and health care issues. Topics include health care supply and demand, agency issues in health insurance markets, health care institutions and actors, health care policy, and public health issues. Prerequisites: ECON 202 (*ECON 301 recommended); and Choose One: GB321, MATH 310, PSC305, PSY320, SOC 305.

COURSE DESCRIPTIONS: ECONOMICS (CONTINUED)

ECON 0442 • International Economics and Finance

Spring • 3 Credit Hours

This course will familiarize students with the analytical and empirical tools used by economists to understand international economics, trade and finance. Topics will include the Ricardian, Heckscher-Ohlin and new theories of trade; tariffs and commercial policy; factor movement and regional economic integration. Foreign exchange markets and balance of payments statistics, multinational banking and Eurocurrency markets, the monetary approach to balance of payments adjustments, internal and external balance through monetary and fiscal policy, the international monetary system, the need for a national monetary system and the need for a new international economic order will also be covered. Prerequisites: ECON 301 and ECON 302.

ECON 0455 • Environmental and Natural Resource Economics

Fall • 3 Credit Hours

This course introduces students to environmental economic theory and concepts. It provides students with the analytical techniques used in economic analysis of public policy relating to the environment and use of natural resources. Students will analyze historical and current environmental policy including issues under consideration by policy makers. Prerequisite: ECON 301.

ECON 0460 • Labor Economics

Fall • 3 Credit Hours

This course will introduce students to the analytical tools used by economists to understand the labor market. Topics include labor market equilibrium, life cycle issues, human capital, wages and pay incentives, labor mobility, employment discrimination, and unemployment. Prerequisites: ECON 301 and ECON 302.

ECON 0491 • Internship in Economics

Demand • 1-6 Credit Hours

An internship for senior Economics students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.

ECON 0498 • Advanced Topics in Economics

Demand • 1-3 Credit Hours

For upper-division students. Topics to be announced each time the course is offered. Examples of seminars offered in the past are: 498-Seminar in International Economics, 498-Seminar in Business Cycles and 498-Seminar in Public Finance.

ECON 0499 • Independent Study in Economics

Demand • 1-6 Credit Hours

Individually directed readings, research and discussion in selected areas of Finance/Economics for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.

For additional information on Economics contact:
Business Student Advising
Office • Plaster Hall 310
417-625-3182 • psb@mssu.edu

ENGINEERING TECHNOLOGY

FACULTY:

Howe - Chair, Bartholet, Koch *& Marsh*
Ummel Technology 153 • 417-625-9849

Mission

The Department of Engineering Technology (ET) provides programs designed to develop leaders in industry and society as a whole by providing a quality education to students that is application-oriented and connected to the needs of regional and global businesses.

Educational Objectives

The Engineering Technology department at Missouri Southern will produce graduates who:

1. have an appropriate mastery of the knowledge, techniques, skills and modern tools of engineering technology.
2. have the ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering, and technology.
3. are able to identify and analyze problems and design effective engineering technology based solutions.
4. contribute professionally by functioning effectively on teams.
5. communicate effectively with professionals and lay audiences.
6. have an understanding for the discipline of engineering technology and its role in a societal and global context.

Student Outcomes:

1. Ability to identify properties of common engineering materials, explain metallurgical processes.
2. Ability to demonstrate knowledge of various manufacturing processes and use of modern tools.
3. Ability to produce multi-view drawings using software and explain design principles.
4. Ability to apply knowledge of hydraulic and pneumatic systems.
5. Ability to apply knowledge of electrical systems.
6. Ability to apply knowledge of probability and statistics.
7. Ability to apply knowledge of engineering economics.
8. Ability to apply knowledge of quality control and process improvement.
9. Ability to apply knowledge of facilities and logistics.
10. Ability to apply knowledge of work measurement and ergonomics.
11. Ability to use software applications where appropriate.
12. Ability to apply knowledge of mathematics, science, engineering, and technology to problem solving.
13. Ability to design and conduct experiments, as well as to analyze and interpret data, resulting in recommendations for process improvements.
14. Ability to apply creativity in the design of systems, components, or processes.
15. Ability to identify, analyze, and solve technical problems using appropriate methodologies and tools.
16. Ability to fulfill team role, listen to others, research and gather information, and share in the work of the team.
17. Ability to prepare written, oral, and graphical communication for varied audiences with appropriate (1) content, (2) clarity, (3) style, and (4) grammar/mechanics. [ABET g].
18. Recognition of the need for, and an ability to engage in lifelong learning.
19. Ability to understand professional, ethical and social responsibilities.
20. Respect for diversity and a knowledge of contemporary professional, societal and global issues.
21. Commitment to (a) quality, (b) timeliness, and (c) continuous improvement.

Curricula Options

The department offers a variety of instructional programs. These programs are:

- Industrial Engineering Technology (IET)*, BS
- Manufacturing Engineering Technology (MET), AS
- Automation, Minor and Certificate

- Continuous Process Improvement, Minor and Certificate
- Certification - Six Sigma Black Belt and Green Belt
- Certification – CNC Operator
- Certification – Quality Technician
- Industrial Training

*Designates program that has been accredited by the Engineering Technology Accreditation Commission of ABET.

Industrial Engineering Technology (IET), BS

The Bachelor of Science in Industrial Engineering Technology program provides a broad curriculum focused on determining the most effective and efficient ways to make a product or to provide a service. Industrial Engineering Technology is concerned with increasing productivity and quality and reducing costs through the management of people, methods of business organization and technology.

Industrial Engineering Technologists have skills and knowledge that allow them to work in a wide variety of businesses. The curriculum prepares individuals for positions such as industrial engineer, quality engineer, manufacturing engineer, project engineer, process engineer or improvement specialist, as well as graduate school.

The Industrial Engineering Technology program at Missouri Southern is unique for it will allow students to earn their Six Sigma Green Belt and/or Black Belt certification should they choose to do so.

Manufacturing Engineering Technology (MET), AS

The Associate of Science in Manufacturing Engineering Technology program prepares students for a broad range of career opportunities in both traditional and computer-automated manufacturing environments.

Graduates enter employment with positions such as technicians, CNC programmers, first-line supervisors in manufacturing industries or pursue a baccalaureate degree.

Students graduating with the Associate of Science in Manufacturing Engineering Technology may continue their education by pursuing a baccalaureate degree in one area:

- Industrial Engineering Technology (IET)

Automation Minor/Certificate

The use of industrial technology is continually growing throughout the world. There is need for people who know how to program and operate industrial robots. There is also a need for people who understand how industrial robots integrate with manufacturing processes.

The minor in automation prepares students for automation related careers in process control, manufacturing, computerized hardware/software integration and sustainable automated systems.

The Minor in Automation is designed to be taken in combination with the field of Industrial Engineering Technology as well as the fields of Computer Information Science, Computational Mathematics, Physics, and Physics-Engineering.

Continuous Process Improvement Minor/Certificate

This minor/certificate was developed for non-Engineering Technology majors and focuses on skills and techniques used to improve processes and systems in a variety of industries. Any student majoring in business, health, criminal justice, CIS, biology, chemistry, technical writing or other fields will increase their competitiveness with this minor because any organization benefits from reducing cost and increasing productivity and quality. Some examples of industries who are looking for improvement analysts include Biotechnology, Pharmaceuticals, Food, Chemical Industry, Healthcare Services, Telecommunications Services, Medical Devices and Supplies, Financial Services, Insurance, Law Enforcement, Business Services, Computer Software, Computer Hardware, Management Consulting Services, Government and Military Engineering Services, Mortgage Industry, Aerospace and Defense, as well as Energy and Utilities.

Six Sigma Green Belt and Black Belt Certification

This program is designed to provide participants with the knowledge, techniques and tools necessary to successfully fulfill the Green Belt or Black Belt role in many sectors of industry.

Six Sigma is a data-driven methodology used to improve a product or process. Six Sigma has become the world standard for manufacturing as well as service companies. Six Sigma is about understanding customer requirements, tying improvements to strategic goals of the company, quantifying the financial benefits of improvement projects and following a disciplined process in applying statistical tools to achieve a "near-perfect" process.

CNC Operator Certificate of Competency

This certificate was developed for non-degree seeking students.

The program is designed to provide skills in the operation of Computer Numerical Controlled (CNC) lathes and milling machines. The student will be equipped to be a CNC Technician upon completion of the program.

Quality Technician Certificate of Competency

This certificate was developed for non-degree seeking students.

The program is structured to prepare individuals to assure quality in manufacturing and service industries. The trained individual will have the skills to assist a Quality, Manufacturing or Industrial Engineer in gathering and analyzing data pertinent to products and services to maintain and improve quality. The program prepares the individual to work as a Quality Technician, Quality Inspector, Quality Analyst or Process Improvement Technician.

Industrial Training

The department offers professional development opportunities for engineers, technicians and managers in areas of Engineering Technology. Examples of seminar or workshop topics include Lean, Root Cause Analysis, Basic Quality Tools with Minitab, Process Mapping, Failure Mode Effect Analysis, Understanding Heat-Treatment, AutoCad, Six Sigma Green Belt and Six Sigma Black Belt.

Facilities

The department provides an excellent environment for instruction and has several laboratories with sophisticated design, production and testing equipment. The manufacturing laboratory at Missouri Southern State University is a modern facility for learning about manufacturing processes. The lab contains full-size industrial machining and automation equipment including manual lathes and milling machines, CNC machining centers and robots. The material testing lab is a hands-on laboratory where students gain experience on the following equipment: metallurgical prep equipment and microscope, impact tester, universal testing machine, Rockwell hardness tester, micro-hardness tester and precision measuring equipment. Our computer facilities are equipped with personal computers and software including Minitab, Design Expert, AutoCAD, Inventor, Solidworks, Mastercam, as well as a 3-D printer.

Quality Technician Certificate.....IE83

The program is designed to provide skills in Quality Tools, Statistical Process Control, Measurement Systems Analysis and Lean Manufacturing techniques. The student will be prepared to work as a Quality Technician, Quality Inspector, Quality Analyst or Process Improvement Technician.

Required Engineering Technology Curriculum		12
MATH 130	College Algebra	3
IET 320	Applied Statistical Quality Control	3
IET 380	Principles of Lean	3
IET 470	Six Sigma Methodology	3

CNC Operator Certificate.....IE81

The program is designed to provide skills in the operation of Computer Numerical Controlled (CNC) lathe and milling machines. The student will be equipped to be a CNC Technician upon completion of the program.

Required Engineering Technology Curriculum		9
MET 100	Introduction to Machine Tool Processes*	3
IET 110	Engineering Graphics I**	3
MET 200	Computer Numerical Control	3

* Students must have a math ACT score of 22 or higher, or Math 30 (or higher) with a grade of C or better, or ACT WorkKeys Applied Mathematics Test Level 6 or higher.
** Students must have a Math ACT score of 19 or higher, or Math 20 (or higher), with a grade of C or better, or ACT WorkKeys Applied mathematics Test Level 6 or higher.

Bachelor of Science ..... **Major Code** IE00

Industrial Engineering Technology

General Education Requirements (p. 39) 46-47*.....47

Required Industrial Engineering Technology Curriculum 77

MET 100	Introduction to Machine Tool Processes	3
IET 105	Introduction to Industrial Engineering Technology	3
IET 110	Engineering Graphics I	3
IET 115	Engineering Graphics II	3
MET 200	Computer Numerical Control	3
IET 204	Industrial Statics and Strength of Materials	3
IET 205	Computer Applications & Cost Analysis	3
MET 240	Engineering Materials	3
IET 270	Engineering Technology Seminar	0
IET 300	Engineering Economics	3
MET 304	CNC Project & Cost Analysis	3
IET 305	Basic Electricity & Electronics	3
IET 310	Production Planning and Control	3
IET 320	Applied Statistical Quality Control	3
IET 350	Industrial Supervision	3
IET 355	Work Measurement/Ergonomics	3
IET 380	Principles of Lean	3
IET 383	Power Generation Inc. Hydraulics & Pneumatics	3
IET 425	Design of Experiments	3
IET 450	Facilities Management and Planning	3
IET 470	Six Sigma Methodology	3
IET 471	Senior Design	1
IET 494	Career Success	1
General Elective		1-3
Select one from:		5-8
MATH 150	Calculus with Analytical Geometry I(5)*	
MATH 302	Applied Calculus(3) AND MATH 135 Trigonometry(3)	
MATH 302	Applied Calculus(3) AND MATH 140 Algebra & Trig(5)	
Select one from:		4-5
PHYS 152	Elementary College Physics II (4)	
CHEM 151	General Chemistry I (5)*	
Select one from:		3
IET 315	Probability & Statistics for Engineers	
MATH 310	Elementary Statistics	
GB 321	Business Statistics	
Total		124

*PHYS 151 satisfies General Education Requirements (GER) in area D2 and MATH 130, MATH 140 or MATH 150 satisfy GER area C (grade of C or better required for program).

Six Sigma **Green Belt (Option A) Certificate** SS80

Students can earn Greeen Belt certification by successfully completing the following courses with an average grade of B or higher. Both courses require project work. There is a special fee associated with Green Belt certification.

Required Engineering Technology Curriculum 7

IET 320	Applied Statistical Quality Control	3
IET 470	Six Sigma Methodology	3
IET 471	Senior Design	1

Six Sigma Black Belt (Option A) Certificate SS81

Students can earn Black Belt certification by successfully completing the following courses with an average grade of B or higher. All courses require project work. There is a special fee and an industry sponsored project associated with Black Belt certification.

Required Engineering Technology Curriculum 10

IET 320	Applied Statistical Quality Control	3
IET 425	Design of Experiments	3
IET 470	Six Sigma Methodology	3
IET 471	Senior Design	1

Associate of Science ..... **Major Code** IE02

Manufacturing Engineering Technology

General Education Requirements (p. 40) 28

Manufacturing Engineering Technology Requirements 36

MET 100	Introduction to Machine Tool Processes	3
IET 110	Engineering Graphics I	3
IET 115	Engineering Graphics II	3
IET 204	Industrial Statics and Strength of Materials	3
MET 200	Computer Numerical Control	3
IET 205	Computer Applications & Cost Analysis	3
MET 240	Engineering Materials	3
IET 300	Engineering Economics	3
MET 304	CNC Project and Cost Analysis	3
MATH 135	Trigonometry	3
Select one of the following three courses:		3
MET 210	Industrial Robotics (3)	
MET 220	Intro to Programmable Logic Controllers (3)	
MET 245	Manufacturing with Metals (3)	
Manufacturing Technology Electives		3
IET 105	Introduction to Industrial Engineering Technology (3)	
MET 491	Internship in Manufacturing Tech (3)	
MET 498	Advanced Topics in Manufacturing Technology (3)	
MET 499	Independent Study in Manufacturing Technology (3)	
IET 305	Basic Electricity and Electronics (3)	
IET 310	Computer Production/Planning Control (3)	
IET 320	Applied Statistical Quality Control. (3)	
IET 350	Industrial Supervision (3)	
IET 383	Power Generation Inc Power and Hydraulics (3)	
Total		64

*PHYS 151 required to satisfy GER area D2 and MATH 130 with a grade of C or better or MATH 140 with a grade of C or better or MATH 150 with a grade of C or better satisfies GER area C.

Continuous Process Improvement

Certificate Code.....IE86 Minor Code.....IE85

Required Engineering Technology Curriculum 18

IET 320	Applied Statistical Quality Control	3
IET 380	Principles of Lean	3
IET 470	Six Sigma Methodology	3
Select ONE from:		3
IET 315	Probability & Statistics for Engineers (3)	
MATH 310	Elementary Statistics (3)	
GB 321	Business Statistics (3)	
PSY 320	Applied Statistics for the Behavioral and Natural Sciences (3)	
Select TWO from:		6
IET 205	Computer Applications and Cost Analysis (3)	
IET 355	Work Measurement/Ergonomics (3)	
IET 425	Design Experiments (3)	

Automation

Certificate Code.....IE88 Minor Code.....IE87

Required Engineering Technology Curriculum 18

IET 305	Basic Electricity and Electronics	3
IET 383	Power Generation	3
MET 200	Computer Numerical Control	3
MET 210	Industrial Robotics	3
MET 220	Intro to Programmable Logic Controllers	3
MET 330	Automation Maintenance and Trouble Shooting	3

COURSE DESCRIPTIONS: ENGINEERING TECHNOLOGY
INDUSTRIAL ENGINEERING TECHNOLOGY (IET)

IET 0105 • Introduction to Industrial Engineering Technology
Fall & Spring • 3 Credit Hours

Introduces students to skills and resources that will help them be successful in their academic and professional career. Emphasis is provided in the areas of using research facilities and tools available on campus, effective communication, professional ethics, teams, as well as introductory concepts in engineering technology. Three one hour lectures per week. Prerequisites: Math ACT score of 22 or higher, or Math 30 (or higher) with a grade of C or better.

IET 0110 • Engineering Graphics I
Fall & Spring • 3 Credit Hours

Preparation of drawings by using state-of-the-art CADD. Spreadsheet, word-processing are incorporated along with geometric construction, lettering, orthographic projection, dimensioning, sections, pictorial drawing, graphs, and diagrams. One hour lecture, four hours lab per week. Prerequisites: students must have a Math ACT score of 19 or higher, or MATH 20 (or higher) with a grade of 'C or better, or ACT WorkKeys Applied Mathematics Test Level 6 or higher.

IET 0115 • Engineering Graphics II
Spring • 3 Credit Hours

Detail and assembly drawings of machines and machine elements. Study of the use of Geometric Dimensioning and Tolerancing in the design and fabrication of machine parts. The use of parametric design software reflects the industrial applications within this course. Two hours lecture and Two hours lab per week. Prerequisites: Students must have IET 110, Math 30 or higher with a grade of "C" or better.

IET 0204 • Industrial Statics and Strength of Material
Fall • 3 Credit Hours

Introductory survey of selected topics of statics and strength of materials. Statics will emphasize on equilibrium conditions, summation of forces, moments of a force, and friction. The strength of materials will concentrate on simple stress and strain, basic beam relationships, and torsional load carrying members. Three one hour lectures per week. Prerequisites: PHYS 151.

IET 0205 • Computer Applications and Cost Analysis
Fall & Spring • 3 Credit Hours

Provides experiences in software applications in manufacturing settings and fundamentals of cost analysis. Software applications include spreadsheets, databases, project planning, and charting. Three hours lecture per week. Prerequisites: student must have a Math ACT score of 22 or higher, or MATH 30 (or higher) with a grade of 'C' or better.

IET 0270 • Engineering Technology Seminar
Fall & Spring • 0 Credit Hours

Industrial Engineering Technology majors must attend final project presentations in one of the following courses: IET 320, IET 425, IET 440, MET 304, or other courses pre-approved by the department head. Students must enroll in this course three times. Prerequisites: none.

IET 0300 • Engineering Economics
Spring • 3 Credit Hours

Basics of engineering economics. Assessment of economic viability of a project. Evaluation of decision alternatives using different economic criteria. Three one-hour lectures per week. Prerequisites: students must have MATH 130 or higher (not MATH 135) with a grade of 'C' or higher and IET 205.

IET 0305 • Basic Electricity and Electronics
Spring • 3 Credit Hours

This course provides an introduction into the principals of electricity/electronics with an emphasis on applications, problem solving, and laboratory experiments. Topics covered will include AC and DC circuits, Series and Parallel circuits, electrical components, magnetism, power and Instruments and measurements. Two hours lecture and two hours lab per week. Prerequisites: Students must have MATH 130 or higher (not MATH 135) with a grade of 'C' or higher or a Math ACT score of 27 or higher.

IET 0310 • Production Planning and Control
Fall • 3 Credit Hours

The course is designed to provide the theory and application of production and inventory management philosophies and techniques. The topics covered in this course will be discussed in light of the framework suggested in the APICS curriculum guides so that this can serve as a foundation for students preparing for certification exams. Applications will be illustrated through the use of computers. Three one hour lectures per week. Prerequisites: Students must have MATH 120 or higher with a grade of C or better or Math ACT score of 27 or higher and IET 205 or CIS 305.

IET 0315 • Probability and Statistics for Engineers
Demand • 3 Credit Hours

This course is designed for students majoring in Industrial Engineering Technology. Topics include: descriptive statistics, hypothesis testing, probability and the normal curve, inferential statistics, confidence intervals, and computer applications. Prerequisites: students must have MATH 130 or higher (not MATH 135) with a grade of 'C' or better or a Math ACT score of 27 or higher.

IET 0320 • Applied Statistical Quality Control
Fall • 3 Credit Hours

This course provides participants with the basic skills and research methods to analyze organizational systems. Topics include analytical approaches to problem solving, control charts, capability analysis, flow charts, histograms, and measurement systems analysis. Students are expected to take a set of data that represent an organizational process and apply the appropriate statistical procedure, analyze the results of the procedure, and develop a recommendation based on the analysis. Computer based solution techniques are used where appropriate. This course is also part of the requirements for the Six Sigma Green Belt or Black Belt certification. Three one-hour lectures per week. Prerequisites: Students must have IET 205 or CIS 305 and IET 315 or MATH 310 or GB 321.

IET 0350 • Industrial Supervision
Spring • 3 Credit Hours

The course is a study of the role of the supervisor. The focus is on key skills needed for effective supervision-e.g., goal-setting, delegating, budgeting, interviewing, negotiating, counseling, coaching, conducting group meetings and handling grievances. Prerequisites: Junior standing, six hours English Comp or permission of instructor.

IET 0355 • Work Measurement/Ergonomics
Fall • 3 Credit Hours

This course covers work measurements and methods. The course will focus on the use of standards, value engineering, methods design, workstations, time studies, and ergonomics. Three one hour lectures per week. Prerequisites: student must have MATH 130 or higher (not MATH 135) with a grade of 'C' or better or a Math ACT score of 27 or higher and IET 205.

IET 0380 • Principles of Lean
Fall • 3 Credit Hours

This course provides an overview of lean tools and techniques. Topics such as 5S, Total Productive Maintenance, Just in Time, Kanban, Heijunka, Setup Reduction, Value Stream Mapping and Jidoka are covered. Students will have opportunities to apply some of the concepts such as 5S or Kaizen as project work to aspects of their work or life in general. Prerequisites: Junior standing.

IET 0383 • Power Generation including Pneumatic and Hydraulics

Fall • 3 Credit Hours

The course provides an introduction into the principles of power generation using hydraulics and pneumatics. Emphasis is placed on conceptual understanding of methods of power generation as well as distribution and transformation as it relates to hydraulic systems, applications, problem solving, and laboratory experiments. Two hours lecture and two hours lab per week. Prerequisites: students must have MATH 130 or higher (not MATH 129, 131 or 135) with a grade of 'C' or better or a Math ACT score of 27 or higher.

IET 0425 • Design of Experiments

Spring • 3 Credit Hours

Learn basic statistical concepts of designing and analyzing experiments. Applications from various manufacturing as well as non-manufacturing fields will be illustrated throughout the course. Computer software packages to implement the methods presented will be illustrated extensively and used for homework assignments and a term project. This course is also part of the requirements for the Six Sigma Black Belt certification. Prerequisites: students must have IET 320 or permission of instructor.

IET 0450 • Facilities Management and Planning

Fall • 3 Credit Hours

This course is designed to give the students a comprehensive understanding of the issues involved in the design of an industrial production system. It will cover the problems in plant location, product analysis, process design, equipment selection, material handling, and plant layout. Three one hour lectures per week. Prerequisites: IET 110, IET 300, IET 310, and IET 355 (may take IET 310 and IET 355 concurrently with IET 450).

IET 0470 • Six Sigma Methodology

Spring • 3 Credit Hours

This course is about developing a broad understanding of Six Sigma principles and practices. DMAIC project management methods and practical data analysis techniques are covered. Three one hour lectures per week. Prerequisites: IET 320 and IET 380 or permission of instructor.

IET 0471 • Senior Design

Spring • 1 Credit Hours

This course provides students the capstone design experience in industrial engineering technology. Students apply their technical and non-technical knowledge to actual industrial problems. The design activity includes identification of problem, objective, financial benefits, activity plan, customer analysis, data collection and analysis, generation and evaluation of solutions, and recommendations for and where possible, development of systems improvement. Students will have hands-on project work and will have to balance corporate expectations with academic requirements. Students are expected to spend considerable time outside of class time on project work. Co-requisite: IET 470. Prerequisites: IET 310, IET 320, IET 355, IET 380, IET 425 (IET 425 may be taken concurrently) or permission of instructor.

IET 0491 • Professional Internship

Fall & Spring • 1-3 Credit Hours

This course is intended to provide the student with "real-world professional" experience in the area of Industrial Engineering Technology by working with an external organization. The Engineering Technology department has several placement opportunities available to students. Students interested in pursuing an internship must start the application process the semester before they intend to work. Prerequisites: 2.5 Overall GPA minimum, 3.0 IET GPA minimum, Junior or Senior status, ET department approval.

IET 0494 • Career Success

Fall & Spring • 1 Credit Hour

This class is designed to prepare seniors for the transition from the university environment to the real world of work. It will cover topics such as: career development, employer expectations, job research, resume development, interviewing skills, and transition issues. One hour lecture per week. Prerequisites: Senior Standing.

IET 0498 • Advanced Topics in IET

Demand • 1-3 Credit Hours

Special topics in Industrial Engineering Technology.

IET 0499 • Independent Study in IET

Demand • 1-3 Credit Hours

Course structured by the instructor with approval of the department head of Engineering Technology. Prerequisites: Student must have completed 15 hours of Engineering Technology course work with a major GPA of 3.0 or higher. Registration must be approved by the student's advisor, department head, and school dean.



MET 0100 • Introduction to Machine Tool Processes

Fall & Spring • 3 Credit Hours

The theory and safe operation of machine tools. Fundamental practices covered will include safety, basic mathematics, blueprint reading, bench work and precision measurement, metal sawing, drills and drilling, engine lathes and mills. One hour lecture, four hours lab. Prerequisites: students must have a Math ACT score of 22 or higher, or MATH 30 (or higher) with a grade of 'C' or better, or ACT WorkKeys Applied Mathematics Test Level 6 or higher.

MET 0200 • Computer Numerical Control

Spring • 3 Credit Hours

Basic numerical control concepts and applications, the operation and setup of numerical control machines, including vertical machining centers and turning centers, numerical control programming as applied to machining applications using shop floor programming. One hour lecture, four hours of lab. Prerequisites: students must have MET 100, MATH 30 or higher with a grade of 'C' or better or ACT WorkKeys Applied Mathematics Test Level 6 or higher, or a Math ACT score of 22 or higher.

MET 0210 • Industrial Robotics

Spring • 3 Credit Hours

This course will provide the student with the ability to program industrial automation to perform multiple processes. Also, students will learn to operate and maintain automation safely in a manufacturing environment. Two hours lecture, two hours lab. Prerequisite: MATH 30 or higher.

MET 0220 • Introduction to Programmable Logic Controllers

Fall • 3 Credit Hours

This course is designed to provide students with an understanding of how transducers can be used in an industrial setting. Students will understand the basic components of a PLC, ladder logic, power supply, and the wiring of inputs and outputs. Programming labs will allow the student to control automation devices to work within a simple manufacturing system. Two hour lecture, two hour lab. Prerequisite: MATH 30 or higher.

For additional information contact: Dr. Elke Howe, Department Chair Engineering Technology
Ummel Technology 153 • 417-625-9849 • howe-e@mssu.edu

MET 0240 • Engineering Materials

Spring • 3 Credit Hours

Introduction to materials currently used in today's manufacturing settings with emphasis on metals, plastics, ceramics, and composites. Laboratory activities involve both manual and computer assisted testing. Two hours lecture and two hours of lab. Prerequisites: MATH 130 or higher (not MATH 135) with a grade of 'C'or better or a Math ACT score of 27 or higher.

MET 0245 • Manufacturing with Metals

Demand • 3 Credit Hours

Practical introduction to metals and alloys with emphasis on optimal use of materials in a variety of manufacturing applications. This course focuses on providing an understanding of how and when materials are used, examining specific applications and their requirements and relating those requirements to the properties of various materials. Criteria for appropriate materials selection as well as techniques for maintaining control over material properties during processing will be illustrated. Two hours lecture and two hours lab per week. Prerequisites: students must have MATH 130 or higher (not MATH 135) with a grade of 'C' or better or a Math ACT score of 27 or higher.

MET 0298 • Topics in Manufacturing Technology

Demand • 1-8 Credit Hours

Special topics in new or emerging manufacturing technology not normally included in another course. Prerequisites specified by the department in a course syllabus.

MET 0304 • CNC Project & Cost Analysis

Fall • 1-3 Credit Hours

This course will focus on the development of a CNC project applying the principles of design, material selection, cost analysis, planning, and numerical control concepts, including vertical machining centers and turning centers, numerical control programming, and proofing. Students will gain an understanding of basic project management skills as well as project realization. Two hours lecture, two hours lab. Prerequisites: students must have MET 200, MET 240 or MET 245, IET 300 and IET 115.

MET 0330 • Automation Maintenance and Troubleshooting

Spring • 3 Credit Hours

The course is designed to provide students with the methods and skills to maintain and repair automation, Topics covered will be preventative maintenance, fault analysis, and problem solving mechanical breakdowns. Students will review best practices and apply on lab automation systems. Two hours lecture, two hours lab. Prerequisite: MET 210 and MET 220.

MET 0491 • Internship in Manufacturing Technology

Demand • 1-8 Credit Hours

A structured work experience in manufacturing technology at an institution, facility or industry not directly related to Missouri Southern. Practical application of the students' majors under the direct supervision of an on-site professional who is not an MSSU faculty or staff member. A faculty member will be responsible for approving the placement site and supervising the overall activities of the internship. Prerequisites: 15 hours of MET courses and permission of a committee.

MET 0498 • Advanced Topics in Manufacturing Technology

Demand • 1-3 Credit Hours

Covers specialized knowledge and skills related to new developments in manufacturing technology. Topics will vary by the semester and situation. Prerequisite: Senior standing in management-technology or an associate degree in manufacturing technology.

MET 0499 • Independent Study in Manufacturing Technology

Demand• 1-3 Credit Hours

Individually directed reading, research and report preparation in selected areas of contemporary manufacturing technology, for advanced majors. Scope, depth and area of concentration and credit will be arranged when enrolling in the course. Offered by arrangement. Prerequisite: Completion of required manufacturing technology courses with minimum 3.0 GPA and permission of instructor, department head and school dean.

ENTREPRENEURSHIP

FACULTY:

Bradshaw - Director, Robinson & Surbrugg
Plaster Hall 107B • 417-625-9520

Mission

The Entrepreneurship minor is offered to all degree candidates at MSSU, regardless of their major. The courses will help students identify their own entrepreneurial potential and recognize entrepreneurial opportunities in their environment. The minor will enable students to obtain knowledge useful in pursuing their own new venture start-ups or expanding existing businesses. Entrepreneurship courses are offered via the Internet.

Minor in Entrepreneurship • All Degree Candidates

Minor Code.....MM88

ENT 202	Business Opportunities and Innovation	1
ENT 203	Legal Aspects for Entrepreneurs	1
ENT 204	Initial Capitalization	1
ENT 305	Entrepreneurial Financial Analysis	1
ENT 309	New Venture Taxation	1
ENT 321	Business Planning for Entrepreneurs	1
ENT 401	New Venture Formation	3
ENT 402	Managing Innovation and Technology	3
Select 6 credit hours from the following:		6
ENT 206	Entrepreneurial Computerized Accounting(1)	
ENT 207	Entrepreneurial Accounting Foundations(1)	
ENT 208	Entrepreneurial Accounting Reports(1)	
ENT 210	The Management Process for Entrepreneurs(1)	
ENT 212	Human Resource Issues for Entrepreneurs(1)	
ENT 214	Entrepreneurial Pricing Strategies(1)	
ENT 215	Entrepreneurial Retail Management(1)	
ENT 311	Entrepreneurship Strategy(1)	
ENT 313	Entrepreneurial Marketing Strategies(1)	
Total for Minor (Entrepreneurship)		18

Professional Credential in Entrepreneurship

A Professional Credential in Entrepreneurship will be offered for anyone including all MSSU students, regardless of major. This certificate will assist individuals with launching and successfully operating a new business venture. Students can earn five separate certificates in entrepreneurship. These courses may be earned via credit or noncredit basis. These courses are offered via the Internet to serve a diverse student body located worldwide.

Professional Credential in Entrepreneurship

Certificate Code.....MM86

The Professional Credential in Entrepreneurship can be attained after the completion of five Entrepreneurship Certificates: (1) Entrepreneurial Planning Certificate, (2) Entrepreneurial Finance Certificate, (3) Entrepreneurial Accounting Certificate, (4) Entrepreneurial Management Certificate; and the (5) Entrepreneurial Marketing Certificate.

Total for Professional Credential in Entrepreneurship 15

Entrepreneurial Accounting Certificate

Certificate Code.....MM97

ENT 207	Entrepreneurial Accounting Foundations	1
ENT 208	Entrepreneurial Accounting Reports	1
ENT 309	New Venture Taxation	1
Total for Accounting Certificate		3

Entrepreneurial Finance Certificate

Certificate Code.....MM96

ENT 204	Initial Capitalization	1
ENT 206	Entrepreneurial Computerized Accounting	1
ENT 305	Entrepreneurial Financial Analysis	1
Total for Finance Certificate		3

Entrepreneurial Management Certificate

Certificate Code.....MM98

ENT 210	The Management Process for Entrepreneurs	1
ENT 212	Human Resource Issues for Entrepreneurs	1
ENT 311	Entrepreneurship Strategy	1
Total for Management Certificate		3

Entrepreneurial Marketing Certificate

Certificate Code.....MM99

ENT 214	Entrepreneurial Pricing Strategies	1
ENT 215	Entrepreneurial Retail Management	1
ENT 313	Entrepreneurial Marketing Strategies	1
Total for Marketing Certificate		3

Entrepreneurial Planning Certificate

Certificate Code.....MM95

ENT 202	Business Opportunities	1
ENT 203	Legal Aspects for Entrepreneurs	1
ENT 321	Business Planning for Entrepreneurs	1
Total for Planning Certificate		3

COURSE DESCRIPTIONS: ENTREPRENEURSHIP

ENT 0202 • Business Opportunities and Innovation

Fall• 1 Credit Hour

A course concentrating on analyzing the feasibility of starting or expanding a business venture. Topics include developing strategies for various types of existing business ventures and new startups, product positioning, the purchase of existing businesses, franchising and determining and creating a competitive advantage for products and services.

ENT 0203 • Legal Aspects for Entrepreneurs

Fall • 1 Credit Hour

This course will cover the formation, advantages and disadvantages of corporations, partnerships, LLCs and sole proprietorships as different forms of legal ownership for new businesses. Topics include business licenses, business insurance, government regulations, government support systems, liability and ethical issues.

ENT 0204 • Initial Capitalization

Spring • 1 Credit Hour

A course to help prepare the entrepreneur for presenting their "initial capital" needs to the appropriate audience in obtaining financing for their new business.

ENT 0206 • Entrepreneurial Computerized Accounting

Spring • 1 Credit Hour

A course to prepare the entrepreneur for applying computerized accounting technology to a small business situation. QuickBooks for Windows will be used for the course.

ENT 0207 • Entrepreneurial Accounting Foundations

Fall • 1 Credit Hour

A course to teach entrepreneurs accounting concepts so they will have background knowledge of the how and why of financial statement preparation as related to managing small businesses.

ENT 0208 • Entrepreneurial Accounting Reports

Fall • 1 Credit Hour

A course to acquaint entrepreneurs with the various accounting and financial records needed to successfully operate a small business.

ENT 0210 • The Management Process for Entrepreneurs

Spring • 1 Credit Hour

A course to acquaint the entrepreneur with basic theories and principles of management as they relate to an entrepreneurial and newly formed business. Using E-commerce in traditional companies will be evaluated. Small business survival by gaining the competitive edge will be stressed.

ENT 0212 • Human Resource Issues for Entrepreneurs

Spring • 1 Credit Hour

This course is designed to help the students and owners of small businesses improve their human relations skills needed in running a business. The discovering of one's management style and the development of new management skills will be covered.

ENT 0214 • Entrepreneurial Pricing Strategies

Spring • 1 Credit Hour

This course will concentrate on the pricing of products for a small business for profit and the development of pricing strategies and sales promotion techniques that will allow businesses to attract customers for the buying process. The emphasis will be on pricing strategies for goods and/or services.

ENT 0215 • Entrepreneurial Retail Management

Spring • 1 Credit Hour

This course will acquaint the entrepreneur with various techniques of inventory/merchandise planning and controls. It will also focus on merchandising strategies, salesmanship, location analysis and the purchasing function.

ENT 0305 • Entrepreneurial Financial Analysis

Spring • 1 Credit Hour

A course for preparing analysis on a new or existing business in the areas of business operating cycle, quality indicators, financial ratios, permanent working capital, and cash flow analysis. A financial analysis model will be explored to determine cash flow from profits, operational and non-operational sources.

ENT 0309 • New Venture Taxation

Fall • 1 Credit Hour

A course to acquaint entrepreneurs with the tax concerns of the different forms of business organizations. Federal and state tax documents necessary for a small business to operate will be examined. Consequences of noncompliance with taxing authorities will also be explored.

ENT 0311 • Entrepreneurship Strategy

Spring • 1 Credit Hour

Entrepreneurial Strategy is a course to help small business owners and those wanting to start a small business develop and implement management strategies for efficiency and to learn and practice the important functions of planning and organizing a small business. Emphasis is on entry strategies and using the balanced scorecard to set internal strategies for the entrepreneurial venture.

ENT 0313 • Entrepreneurial Marketing Strategies

Spring • 1 Credit Hour

This course will introduce the entrepreneur to the complexities of advertising for smaller businesses. The entrepreneur will learn to develop the marketing goals of a business and select a marketing mix to communicate those ideas to the marketplace. Utilizing the Internet in promotional strategies will be covered.

ENT 0321 • Business Planning for Entrepreneurs

Fall • 1 Credit Hour

This course focuses on the proper techniques to use in preparing and presenting a business plan, which will provide the necessary goals and directions for creating, managing, and gaining profit from a business. Practical insights into the importance and relevance of effective business planning will be covered.

ENT 0401 • New Venture Formation

Spring • 3 Credit Hours

Students will be required to complete the following tasks generally inclusive with creating, and managing a small business: identify a viable product/service and target market; develop an organizational structure for the company; write a business plan; maintain internal cost and accounting procedures; develop advertising and marketing strategies; and harvest the business. Prerequisite: ENT 321.

ENT 0402 • Managing Innovation and Technology

Fall • 3 Credit Hours

Students work in a consulting capacity problem solving for entrepreneurial companies that may be located in a business innovation center or referred by the Small Business & Technology Development Center. Students work on conducting a SWAT analysis and with problems related to marketing, financial management, managerial issues, and other business requirements in which students will combine business and consulting skills in a way that leads to innovation and sustainable growth in the small businesses. Prerequisite: ENT 321.

For additional information contact:
Karen Bradshaw • Plaster Hall 107B
417-625-9520
bradshaw-k@mssu.edu

FINANCE

FACULTY:

Abrahams, Adongo, Nichols, and Rawlins
For more information call 417-625-9319

Mission

The BSBA Finance major course of study is designed to provide a quality comprehensive educational environment to students for the development of the critical, personal, professional and intellectual competencies necessary for success in the complex and dynamic global business world.

Minor in Finance • (Non-BSBA Degree Candidates)

Minor Code.....FN86

FIN 101	Introduction to Personal Financial Planning	3
ACCT 201	Principles of Financial Accounting	3
ECON 201	Principles of Economics-Macro	3
ECON 202	Principles of Economics-Micro	3
Choose One		3
FIN 350	Financial Management(3)	
FIN 411	Investments(3)	
Finance Electives		6
Total for Minor		21

Finance Emphasis ..... Major Code FN10

Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44		
Business Core (p. 135)		39
Finance Major		27
ECON 300	Money and Financial Institutions	3
FIN 411	Investments	3
FIN 435	Financial Analysis	3
FIN 450	Financial Strategy	3
Choose One		3
ECON 301	Managerial Economics(3)	
ECON 302	Intermediate Macro Economics(3)	
Choose One		3
FIN 400	Bank Management(3)	
FIN 421	Portfolio Analysis(3)	
Choose Three		9
ACCT 312	Intermediate Accounting I(3)	
ACCT 322	Intermediate Accounting II(3)	
ECON 301	Managerial Economics(3)	
ECON 302	Intermediate Macro Economics(3)	
ECON 410	Introduction to Econometrics(3)	
ECON 442	International Economics and Finance(3)	
FIN 330	Principles of Insurance(3)	
FIN 400	Bank Management(3)	
FIN 421	Portfolio Analysis(3)	
FIN 498	Advanced Topics in Finance(3)	
FIN 499	Independent Study in Finance(3)	
General Electives		14-15
Total		124

*Econ 201/202 fufills Area E2 of General Education Requirements.

Minor in Finance • (BSBA Degree Candidates)

Minor Code.....FN85

ECON 300	Money and Financial Institutions	3
FIN 411	Investments	3
Choose One		3
FIN 421	Portfolio Management(3)	
FIN 450	Financial Strategy(3)	
Finance Electives		9
Total for Minor		18

COURSE DESCRIPTIONS:
FINANCE

FIN 0101 • Introduction to Personal Financial Planning

Fall & Summer • 3 Credit Hours

Introduction to the concepts and tools necessary for effective management of personal financial health. Includes goal-setting, investment decisions, obtaining and using credit, insurance, and retirement planning. Also provides exposure to various business careers and to comparable decisions that business owners and managers make.

FIN 0320 • Pension Planning

Demand • 3 Credit Hours

Pension Planning is the establishment, implementation and management of private retirement plans. Topics include: the history of private pension plans in the United States, the debate over defined benefit versus defined contribution plans, tax considerations in pension planning, important aspects of various types of pension plans, funding of pension plans, terminating pension plans and investment issues for pension plans. Prerequisites: ECON 201, ECON 202 and ACCT 201. Co-requisite: GB 301.

COURSE DESCRIPTIONS:
FINANCE - CONTINUED

FIN 0330 • Principles of Insurance

Fall • 3 Credit Hours

Survey of the fundamentals of insurance, including risk management, interpretation of policies, property insurance, liability insurance, health insurance and life insurance. Prerequisites: ECON 201 and ECON 202.

FIN 0350 • Financial Management

Fall, Spring & Summer • 3 Credit Hours

Study of the financial operating environment and financial analysis; risk and valuation; time value of money; capital budgeting; cost of capital and leverage; working capital management; and dividend policy. Prerequisites: ECON 201, ECON 202, and ACCT 202.

FIN 0370 • Estate Planning

Demand • 3 Credit Hours

The study of the efficient conservation and transfer of wealth, consistent with the client's goals. The course will consider the legal, tax, financial, and non-financial aspects of this process. Topics covered will include trusts, wills, probate, advanced directives, charitable giving, wealth transfers, and related taxes. Prerequisites: FIN 350, ACCT 375, and GB 301.

FIN 0400 • Bank Management

Fall • 3 Credit Hours

Provides an introduction to the commercial bank industry, its organization, structure, and regulation. The lending and investment functions of banking are examined along with liability and capital management issues, including de nova banking and merger/acquisitions. Its' purpose is to offer an overview of commercial banks and their delivery role in the financial services industry. Prerequisites: ECON 300 and FIN 350.

FIN 0411 • Investments

Fall • 3 Credit Hours

Principles underlying investment analysis and policy; salient characteristics of governmental and corporate securities; policies of companies and investing institutions; relations of investment policy to money markets and business fluctuations; and security price-making forces. Prerequisite: FIN 101 or instructor consent.

FIN 0420 • Security Analysis

Demand • 3 Credit Hours

A broad introduction to basic stock selection using fundamental analysis whereby over and under valued stocks are to be identified. The class will construct a common stock portfolio of 0 to 25 stocks. Other topics covered will include: basic schools of investment thought, diversification, quality of earnings, and factors affecting equity ownership. Prerequisite: FIN 350 or permission.

FIN 0421 • Portfolio Management

Spring • 3 Credit Hours

Theories of diversification, portfolio construction and portfolio management; fundamental analysis of securities; investment goals and strategies; economic and industry analysis; decision making for the Youngman Portfolio. Prerequisite: FIN 350 and FIN 411.

FIN 0422 • Portfolio Management II

Demand • 3 Credit Hours

Theories of diversification, portfolio construction and portfolio management; fundamental analysis of securities; economic and industry analysis; financial software competencies; derivatives; decision making for the Youngman Portfolio. Prerequisite: FIN 421.

FIN 0435 • Financial Analysis

Fall & Summer • 3 Credit Hours

This applied course will familiarize students with the analytical and empirical tools used by financial managers to evaluate and forecast financial performance and perform project analysis and valuation. Topics will include the discounted cash flow analysis; project risk analysis; cost of capital; forecasting financial statements; enterprise valuation; and valuation using financial derivatives. Prerequisites: FIN 350, MGMT 237.

FIN 0440 • Advanced Financial Planning: Cases and Applications

Demand • 3 Credit Hours

This course will integrate material presented in the financial planning track coursework. Students will be engaged in critical thinking and decision making regarding personal financial management topics in the context of the financial planning process. Prerequisites: ACCT 375, FIN 320, and FIN 330. Co-requisites: FIN 370 and FIN 411.

FIN 0450 • Financial Strategy

Spring • 3 Credit Hours

Financial planning, capital budgeting under constraints of mutual exclusiveness and capital rationing, leverage (both operating and financial), debt financing, common stock (including dividend policy), preferred stock, leasing, mergers, LBOs using a case study approach. Prerequisite: FIN 350.

FIN 0491 • Internship in Finance

Demand • 1-6 Credit Hours

An internship for senior Finance students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.

FIN 0498 • Advanced Topics in Finance

Demand • 1-3 Credit Hours

For upper-division students. Topics to be announced each time the course is offered. Examples of seminars offered in the past are: 498-Seminar in International Economics, 498-Seminar in Business Cycles and 498-Seminar in Public Finance.

FIN 0499 • Independent Study in Finance

Demand • 1-6 Credit Hours

Individually directed readings, research and discussion in selected areas of Finance/Economics for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.

FIN 0535 • Financial Analysis (graduate course)

Fall & Summer • 3 Credit Hours

This applied course will familiarize students with the analytical and empirical tools used by financial managers to evaluate and forecast financial performance and perform project analysis and valuation. Topics will include the discounted cash flow analysis; project risk analysis; cost of capital; forecasting financial statements; enterprise valuation; and valuation using financial derivatives. Prerequisites: FIN 350 and MGMT 237.

For additional information contact:
Business Student Advising Office
Plaster Hall 310
417-625-3182 • psb@mssu.edu

GENERAL BUSINESS

FACULTY:

all School of Business Faculty
For more information call 417-625-9319

Mission

The BSBA general business major course of study is intended to give the broadest possible background to the graduate and to prepare the graduate for managerial positions in the public and private sectors.

Students can obtain the BSBA in General Business over the Internet.

General Business Emphasis ..... Major Code GB00
Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44
Business Core (p. 135)..... 39
Required Courses..... 12
Choose 12 hrs. from at least 4 of the following 5 areas:
Accounting:
ACCT 309 Accounting Information Systems
ACCT 385 Cost Accounting
Finance/Economics:
ECON 300 Money and Financial Institutions
FIN 411 Investments
FIN 450 Financial Strategy
International Business:
IB 400 International Marketing
IB 410 International Management
Management:
MGMT 352 Human Resource Management
MGMT 431 Operations Management
MGMT 441 Organizational Behavior
Marketing:
MRKT 401 Integrated Marketing Communications
MRKT 405 Internet Marketing
MRKT 432 Consumer Behavior
Advanced Business Electives (300 level or above) 12
Choose 12 hours from courses with the following prefixes:
ACCT, ECON, ENT, FIN, GB, IB, MGMT, MRKT
Electives 17-18
Total 124

*Required course in economics (ECON 201) satisfies major requirement and 3 hours of General Education Requirements.

Minor in General Business • (Non-BSBA Degree Candidates)
Minor Code.....GB80

ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting	3
ECON 202	Principles of Economics-Micro	3
FIN 350	Financial Management	3
MGMT 237	Using Information Systems	3
MRKT 300	Principles of Marketing	3
MGMT 350	Fund. of Organizational Management	3
Total for Minor (General Business)		21

COURSE DESCRIPTIONS: GENERAL BUSINESS

GB 0298 • Topics in General Business
Demand • 1-8 Credit Hours

Special topics in General Business. Topics to be announced each time the course is offered.

GB 0301 • Legal Environment of Business I
Fall & Spring • 3 Credit Hours

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes the court systems and procedures, a brief overview of criminal law and tort law, contracts, personal property and bailments, sales, commercial paper and secured transactions. Special emphasis on Missouri case-law and statutes. Lectures supported by actual case decisions and case digests.

GB 0302 • Legal Environment of Business II
Fall • 3 Credit Hours

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes consumer protection, government control and regulation, insurance, bankruptcy, intellectual property, agency and employment, business organizations, real property and estates. Prerequisite: Junior standing.

GB 0320 • Business Communication
Fall, Spring & Summer • 3 Credit Hours

Principles of writing effective business messages to communicate effectively in the business environment. Emphasis on contemporary issues and the employment process. Prerequisites: 6 hours English Composition or permission of instructor.

GB 0321 • Business Statistics I
Fall, Spring & Summer • 3 Credit Hours

Methods of collection, analysis, interpretation and presentation of data related to business. Topics include frequency distribution, measures of central tendency and dispersion, regression and correlation analysis, probability concepts, sampling distributions, estimation procedures and hypothesis testing. Computer statistical packages will be utilized in analysis and application of problems. Prerequisites: MATH 129, 130 or higher and MGMT 237.

GB 0322 • Business Statistics II
Spring • 3 Credit Hours

Methods of statistical analysis relating to business decision making and research in business and economics. Emphasizes sampling theory, parametric tests of hypotheses, analysis of variance, multiple regression, non-parametric tests of hypotheses and other selected statistical techniques. Computer statistical packages (and spreadsheet packages) will be utilized in analysis of problems. Prerequisite: GB 321.

GB 0405 • Statistical Quality Control
Spring • 3 Credit Hours

Theory and methods used in statistical quality control. Emphasizes basic statistical analysis, variables control charts, attributes control charts, interpretation of control charts, estimation of process parameters, gage capability, acceptance sampling and service quality. Students will be encouraged to use spreadsheets to solve SPC problems. Prerequisite: GB 321 or consent of instructor.

For additional information on General Business contact:

Business Student Advising Office • Plaster Hall 310 • 417-625-3182 • psb.edu

COURSE DESCRIPTIONS: GENERAL BUSINESS (CONTINUED)

GB 0412 • Implementing Business Education Programs

Fall, Spring & Summer • 3 Credit Hours

Includes a study of teaching techniques and devices, organization and development of curriculum, testing and measurements, funding, special populations, integrating academics, business/education partnerships and multicultural activities. Special emphasis is given to innovations, systems and developments in business and education. For business education majors only. Taught online through the Missouri Alliance for Collaborative Education (MACE) with Northwest Missouri State University, University of Central Missouri, and Southeast Missouri State University. Must see Business Education Advisor before enrolling.

GB 0491 • Internship in General Business

Demand • 1-6 Credit Hours

An internship for senior General Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.

GB 0498 • Advanced Topics in General Business

Demand • 1-3 Credit Hours

Special topics in General Business. For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Seminar topics offered in the past include office machines, career orientation and human relations.

GB 0499 • Independent Study in General Business

Demand • 1-6 Credit Hours

Individually directed readings, research and discussions in selected areas of general business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA. Repeatable up to six credit hours.

INTERNATIONAL BUSINESS

FACULTY:

Campbell, Marion & Moos

For more information call 417-625-9319

The BSBA international business major course of study is designed to provide a quality comprehensive educational environment to students for the development of the critical, personal, professional and intellectual competencies necessary for success in the complex and dynamic global business world.

Minor in International Business

Minor Code.....IB80

IB 310	International Business	3
IB 352	International Human Resource Mgmt	3
IB 400	International Marketing	3
MRKT 300	Principles of Marketing	3
MGMT 350	Fund. of Organizational Management	3
Choose one		3
IB 410	International Management	
IB 460	Global Supply Chain Management	
Total for Minor (International Business)		18

*With the approval of the course instructor and the Department Head.

International Business Emphasis . . . . . Major Code IB00
Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*		**43-44**
Business Core (p. 135)		39
Required		15
IB 400	International Marketing	3
IB 410	International Management	3
IB 430	International Trade Finance	3
IB 460	Global Supply Chain Management	3
Modern Language		3
Choose one:		3
IB 491	Internship in International Business	
IB 498	Advanced Topics inInternational Business	
IB 499	Independent Study in International Business	
Choose one:		3
IB 352	International Human Resource Management	
INTS 304	Comparative Political Economy	
Electives		20-21
Total		124

*Required course in economics (ECON 201) satisfies major requirement and three hours of General Education Requirements.

COURSE DESCRIPTIONS: INTERNATIONAL BUSINESS

IB 0310 • International Business

Demand • 3 Credit Hours

The course provides an introduction and overview of the international organizations and the effects of the foreign environment on international business. The course will focus on cultural differences; theories of international trade and economic development; international finance; marketing internationally and practical applications of starting and maintaining international business relationships. This course is the prerequisite for higher level International Business courses. Prerequisites: English 101 and 102.

IB 0352 • International Human Resource Management

Fall • 3 Credit Hours

The course addresses the concepts, principles and practices of organizations who have chosen to participate in international activities either as a profit-seeking business, a not-for-profit or a governmental agency and wishes to improve the effective management of people in a global environment. The course will address the unique international issues including, but not limited to, human resource planning, recruiting, selecting orienting, training, evaluating and compensating employees in a legal, ethical and socially responsible manner. Prerequisite: IB 310 or instructor permission.

IB 0400 • International Marketing

Fall • 3 Credit Hours

This course provides students with an understanding of the principles and practices of international marketing by studies of the international marketing environment, international marketing strategies, international marketing management and international marketing organization for international companies. Prerequisites: IB 310 and MRKT 300.

For additional information contact:
Business Student Advising Office
Plaster Hall 310
417-625-3182 • psb@mssu.edu

IB 0410 • International Management

Spring • 3 Credit Hours

This course will focus on the development of management skills related to international business. The students will study the international business environment, international business strategy, international organizational structure, and international management. Management issues for small and large international companies will be examined in the areas of management of activities, building of capabilities, management across boundaries, coordination and control, and human resource management. Prerequisites: IB 310 and MGMT 350 or instructor's permission.

IB 0430 • International Trade Finance

Fall • 3 Credit Hours

This course focuses on the environment in which the international financial manager operates. Students study the risks of doing business overseas and the tools available to minimize those risks. Foreign exchange risk, political risk, foreign investments and international financing, working capital management, accounting and control are examined within this context. Prerequisites: IB 310 and FIN 350.

IB 0460 • Global Supply Chain Management

Spring • 3 Credit Hours

This course will focus on the development of logistics management skills related to global supply chains. The students will study the international business environment as it relates to transportation modes and methods, trade agreements and trade zones, legal and security transportation issues, international conventions and import and export regimes. Particular attention will be given to supply chain management as part of the firm's strategic positioning, cultural interactions and quality considerations as well as to the importance of third party logistics providers. Prerequisites: IB 310 and IB 400.

LOGISTICS

FACULTY:

Howe - Chair

Ummel Technology 153 • 417-625-9849

The more global the economy becomes, the more essential will be those who understand logistics and improved transportation systems. The Logistics Bachelor's degree insures that students have mastery in optimizing the movement of materials and inputs within an organization as well as bringing finished goods to markets and consumers in the most cost effective ways. Our Logistics program gives students a complete grounding in both the leading technologies and practices of top tier professionals. The program is designed to allow students to add a minor in a related field of study that will help them in their career. Typical minors include those in Engineering Technology, Computer Information Sciences, and Business.

COURSE DESCRIPTIONS: LOGISTICS

LOGT 0340 • Principles of Transportation

Spring • 3 Credit Hours

Principles of Transportation examines forms of transportation and institutional factors that influence transportation decisions; regulation, public policy and other governmental variables are reviewed in detail. An introduction to physical distribution's interaction with transportation is explored.

LOGT 0345 • Business Logistics

Fall • 3 Credit Hours

A survey of the management of logistic functions in the firm, including physical supply and distribution activities such as transportation, storage facilities, inventory control, materials handling, warehousing, financing and organization.

IB 0491 • Internship in International Business

Demand • 1-6 Credit Hours

An internship for senior International Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department head approval. Repeatable up to six credit hours.

IB 0498 • Advanced Topics in International Business

Demand • 1-3 Credit Hours

Special topics in international business. For upper-division students. Topics to be announced each time the course is offered.

IB 0499 • Independent Study in International Business

Demand • 1-6 Credit Hours

Individually directed readings, research and discussion in selected areas of International Business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: 65 hours, 3.0 GPA and department head approval. Repeatable up to six credit hours.

Logistics ..... **Major Code** IE03

Bachelor of Science

General Education Requirements (p. 39) 46-47*..... 46-47		
Logistics Major		36
Business - 15 Hours		
GB 321	Business Statistics I	3
LOGT 340	Principles of Transportation	3
LOGT 345	Business Logistics	3
LOGT 360	Supply Chain Management	3
MRKT 300	Principles of Marketing	3
IET - 15 hours		
IET 205	Computer Applications & Cost Analysis	3
IET 300	Engineering Economics	3
IET 310	Production Planning and Control	3
IET 355	Work Measurement	3
IET 380	Principles of Lean	3
CIS - 6 hours		
CIS 202	Information Systems I	3
CIS 375	Information Technology Project Mgmt	3
General Electives		41-42
Total		124*

*Must include at leat 40 upper division (300-400 level) hours.

LOGT 0360 • Supply Chain Management

Fall • 3 Credit Hours

This course presents a survey of basic supply chain management among focal organizations and their tiered business partners. Emphasis on collaboration and planning related to major functional areas required to organize the flow of products from inception through delivery to satisfy final customer needs. Information and communication technology as an enabler of supply chain management strategies is also discussed. An appreciation of how the local supply chain functions as part of a global system is explored.

For additional information on Logistics, contact:

Dr. Elke Howe Engineering Technology

Ummel Technology 153

417-625-9849 • howe-e@mssu.edu

MANAGEMENT

FACULTY:
Cragin, Dawson, Douglas, Marion, Moos, Myers, Schmidt & Vernon
For more information call 417-625-9319

Mission

The mission of the Department of Management at Missouri Southern State University is to provide students with a superior education. Faculty combine effective teaching with scholarship and professional service and strive to provide students with practical and theoretical business competencies. These competencies prepare students for leadership positions and service in a diverse, global and competitive economy. Consistent with the university's mission, the Department of Management embraces an integration of liberal and professional education to enable students to develop the ability to excel in the complex work environment of business. The curriculum combines extensive management study with a focus on development of student competencies in the areas of professional integrity, social responsibility oral and written communication, interpersonal relationships, technology management, research experience, international business affairs and critical thinking skills.

The BSBA management major course of study is designed to prepare the graduate for entry-level positions of responsibility in the for-profit, nonprofit and public sectors.

Management Emphasis . . . . . Major Code MM00
Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44		
Business Core (p. 135)		39
Management Emphasis		21
MGMT 337	Management Information Systems	3
MGMT 352	Human Resource Management	3
MGMT 411	Employment Law	3
MGMT 431	Operations Management	3
MGMT 441	Organizational Behavior	3
Select Two:	From the list below	6
IB 352, IB 410, MGMT 354, MGMT 447, MGMT 491, MRKT 321, MRKT 312		
Electives		20-21
Total		124

*Required course in economics (ECON 201) satisfies major requirement and three hours of General Education Requirements.

Human Resource Mgmt. Emphasis . . . . . Major Code MM04
Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44		
Business Core (p. 135)		39
Human Resource Management Emphasis		21
MGMT 352	Human Resource Management	3
MGMT 411	Employment Law	3
MGMT 441	Organizational Behavior	3
MGMT 445	Compensation and Benefits	3
MGMT 447	Employee Training andDevelopment	3
Select Two:	(MGMT 354, MGMT 431,MGMT 491, MRKT 321)	6
Electives		20-21
Total		124

*Required course in economics (ECON 201) satisfies major requirement and three hours of General Education Requirements.

Minor in Management
Minor Code.....MM82

MGMT 237	Using Information Systems	3
MGMT 350	Fund. of Organizational Management	3
MGMT 352	Human Resource Management	3
Choose four		12
GB 320	Business Communications	
GB 321	Business Statistics I	
MGMT 337	Management Information Systems	
MGMT 354	Quality Management	
MGMT 411	Employment Law	
MGMT 431	Operations Management	
MGMT 441	Organizational Behavior	
Total for Minor (Management)		21

Minor in Human Resource Management
Minor Code.....MM81

GB 301	Legal Environment of Business	3
MGMT 350	Fund. of Organizational Management	3
MGMT 352	Human Resource Management	3
MGMT 441	Organizational Behavior	3
Choose three		9
(GB 320, IB 352, MGMT 354, MGMT 411, MGMT 445, MGMT 447, MGMT 491)		
Total for Minor (Human Resource Management)		21

Minor in Quality Management
Minor Code.....MM85

ACCT 201	Principles of Financial Accounting	3
GB 321	Business Statistics I	3
GB 405	Statistical Quality Control	3
MGMT 350	Fund. of Organizational Management	3
MGMT 354	Quality Management	3
Choose one		3
MGMT 352	Human Resource Management	
MGMT 431	Operations Management	
Total for Minor (Quality Management)		18

Certificate Specialist in Management
Certificate Code.....MM94

MGMT 350	Fundamentals of Organizational Management	3
MGMT 441	Organizational Behavior	3
MGMT 452	Strategic Management	3
MGMT 352	Human Resources Management	3
MGMT 447	Employee Training & Development	3
IB 460	Global Supply Chain Management	3
	Accounting/Finance Choice course*	3
	Management Choice course**	3
Total for Certificate		24

Choice courses are chosen in conjunction with program advisor.
* One 3-hour course in Accounting or Finance
** One 3-hour course in International, Performance or Psychology of Management
A maximum of 6 hours may be transferred in from other institutions.

COURSE DESCRIPTIONS: *MANAGEMENT*

MGMT 0237 • Using Information Systems

Fall & Spring • 3 Credit Hours

Principles of information systems in the business environment. This course provides a basic understanding of data manipulation, evaluation and summarization to be used in the decision making process. Includes file management skills, internet skills and the use of Microsoft Office programs. Prerequisite: Basic knowledge of the Windows operating system.

MGMT 0337 • Management Information Systems

Fall & Spring • 3 Credit Hours

The course is designed to examine the use of information systems to support the management and business activities of an organization. The topics include: the fundamentals of hardware and software, database management, data communications, transaction processing information systems, decision support systems, information reporting systems, office automation, networks, tapping the Internet, expert systems, problem analysis, system analysis and design, and current and future management information system trends.

MGMT 0350 • Fundamentals of Organizational Management

Fall, Spring & Summer • 3 Credit Hours

A study of the fundamentals and functions of organizational management including planning, decision making, organization, leading, and controlling from individual and group behavior perspectives. Prerequisites: Junior standing and ENG 101/102 or equivalent. Cross-listed as HS 350.

MGMT 0352 • Human Resource Management

Fall, Spring & Demand • 3 Credit Hours

Human Resource Management includes the principles and practices of management with emphasis on the human factors, including procurement, development and maintenance of an effective work force. Prerequisite: MGMT 350 or consent of instructor.

MGMT 0354 • Quality Management

Fall, Spring & Summer • 3 Credit Hours

Quality Management (QM) is an overview of an evolving philosophy for continuous improvement of products, processes, and services to enhance quality while reducing costs. It is a management/technical/cultural approach to the integration of all systems and processes of an enterprise to achieve customer satisfaction. Prerequisites: MGMT 350, or consent of instructor.

MGMT 0411 • Employment Law

Fall & Spring • 3 Credit Hours

A primary emphasis on the legal regulation of employment, including Title VII of the Civil Rights Act, the Americans with Disabilities Act, the Age Discrimination in Employment Act, and the Equal Pay Act. Areas covered include race, color, gender, age, religion and disability discrimination, as well as sexual harassment, retaliation claims, affirmative action, workers' compensation, and privacy issues. A secondary emphasis is on the National Labor Relations Act, including union organizing, unfair labor practices, and collective bargaining agreements. Prerequisite: Junior standing, MGMT 352 or consent of instructor.

MGMT 0431 • Operations Management

Fall, Spring & Summer • 3 Credit Hours

Principles and decision analysis related to the effective utilization of the factors of production and operations in manufacturing activities for both intermittent and continuous systems. The study of operations management, analytical models and methods, facilities design and the use of computer modeling for control systems for effective production operations. Prerequisite: GB 321.

MGMT 0441 • Organizational Behavior

Demand • 3 Credit Hours

The purpose of this course is to introduce the student to the study of individual and group behavior within an organization. Current and emerging theoretical and practical knowledge for understanding topics such as motivation, leadership, managerial decision-making, group processes, and conflict resolution. Prerequisite: MGMT350.

MGMT 0445 • Compensation and Benefits Management

Demand • 3 Credit Hours

This course studies the principles and practices of compensation and benefit management, with an emphasis on strategic analysis, as well as current human resource theory and practices. The course examines the field of compensation and benefits by addressing both intrinsic and extrinsic issues as well as the basis for compensation, compensation systems, benefits, executive compensation, and the international implications of the global economy. Prerequisites: MGMT 350, MGMT 352 and GB 321 or consent of the instructor.

MGMT 0447 • Employee Training and Development

Demand • 3 Credit Hours

An examination of current practices and research in the area of employee training and development to include needs analysis, instructional design, and the evaluation of training in organizations. Additional course topics include the strategic role of training, learning management, knowledge management, as well as employee and career development. Prerequisite: MGMT 350 and MGMT 352.

MGMT 0452 • Strategic Management

Fall, Spring & Summer • 3 Credit Hours

AA capstone course integrating business disciplines with formal analyses of the organization's macro and industry environment; mission and goals; and strategy formulation, implementation, and control using computer simulation and/or the case method approach. Prerequisites: Senior standing, MRKT 300, MGMT 350 and FIN 350; should be taken during the last semester of university work.

MGMT 0491 • Internship in Management

Demand • 1-6 Credit Hours

An internship for senior marketing/management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.

MGMT 0498 • Advanced Topics in Management

Demand • 1-3 Credit Hours

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

MGMT 0499 • Independent Study in Management

Demand • 1-6 Credit Hours

Individually directed readings, research and discussion in selected areas of Marketing/Management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.

For additional information contact:
Business Student Advising Office
Plaster Hall 310
417-625-3182 •psb@mssu.edu

MARKETING

FACULTY:

Cragin, Dunlop, Myers, Schmidt, & Yantis

For more information call 417-625-9319

Mission

The mission of the Department of Marketing at Missouri Southern State University is to provide students with a superior education. Faculty combine effective teaching with scholarship and professional service and strive to provide students with practical and theoretical business competencies. These competencies prepare students for leadership positions and service in a diverse, global and competitive economy. Consistent with the university's mission, the Department of Marketing embraces an integration of liberal and professional education to enable students to develop the ability to excel in the complex work environment of business. The curriculum combines extensive marketing study with a focus on development of student competencies in the areas of professional integrity, social responsibility oral and written communications, interpersonal relationships, technology management, research experience, international business affairs and critical thinking skills.

The BSBA marketing major course of study is intended to prepare graduates for positions in personal selling, product and services marketing, promotions, consumer behavior, marketing and sales analysis, retailing and supply chain logistics.

Marketing Emphasis ..... **Major Code** MM03

Bachelor of Science in Business Administration

General Education Requirements (p. 39) 46-47*..... 43-44		
Business Core (p. 135)		39
Marketing Emphasis		21
MRKT 401	Integrated Marketing Communications	3
MRKT 432	Consumer Behavior	3
MRKT 470	Marketing Research	3
MRKT 472	Marketing Strategy	3
Choose three:	(IB 400, MRKT 312,MRKT 321, MRKT 405)	9
Electives		20-21
Total		124

*Required course in economics satisfies major requirement and three hours of General Education Requirements.

Minor in Marketing

Minor Code.....MM83

Required		18
MRKT 300	Principles of Marketing	3
MRKT 312	Retail Management	3
MRKT 321	Professional Sales & Sales Mgmt	3
MRKT 401	Integrated Marketing Communications	3
MRKT 405	eMarketing	3
MRKT 432	Consumer Behavior	3
Total for Minor (Marketing)		18

For additional information contact:
Business Student Advising Office
Plaster Hall 310 • 417-625-3182
psb@mssu.edu

Minor in Multimedia

Minor Code.....MM84

Required		12
MRKT 405	Internet Marketing	3
CIS 110	Programming I	3
ART 101	Two Dimensional Design	3
COMM 101	Introduction to Human Communication	3
Choose two*		6
MGMT 337	Management Information Systems	
MRKT 401	Integrated Marketing Communications	
MRKT 432	Consumer Behavior	
Total for Minor (Multimedia)		18

*Other courses may be substituted with permission of advisor.

COURSE DESCRIPTIONS: MARKETING

MRKT 0300 • Principles of Marketing

Fall, Spring & Summer • 3 Credit Hours

Survey of major marketing methods, institutions, and practices. Retailing, wholesaling, distribution channels, marketing legislation, advertising, marketing research, and marketing cost are treated from the standpoint of consumers, middlemen, and manufacturers. Prerequisite: ENG 101 and ENG 102.

MRKT 0312 • Retail Management

Spring & Summer (odd) • 3 Credit Hours

This course will review the principles of successful retail management, including managing retail operations, administration and control, location analysis, merchandising, promotion, and review of the retail environment with analytic and research methods applicable to retail problems. Retailing is a high tech, global, growth industry and the retail manager uses creativity and analytical skills to be successful in this dynamic world. Prerequisite: MRKT 300.

MRKT 0321 • Professional Sales and Sales Management

Fall & Spring • 3 Credit Hours

Covers the principles, methods and techniques of effective professional strategic and consultative selling, as well as the management of a professional sales staff. Prerequisite: MRKT 300.

MRKT 0401 • Integrated Marketing Communications

Spring & Summer (Even) • 3 Credit Hours

This course examines the planning, development and execution of integrated marketing communications programs with a focus on the promotional aspects of the marketing mix. Both traditional and online applications of marketing strategies are studied as they pertain to achieving an organization's goals and objectives. The analysis of advertising media, the preparation of advertising programs and the formulation of campaigns are included in the course. Prerequisite: MRKT300.

MRKT 0405 • eMarketing

Fall, Spring & Summer • 3 Credit Hours

Addresses the new technological environment that marketers are facing by introducing strategic considerations related to technology and technology implementation. Explores the basics of marketing exchange utilizing the information highway, multimedia techniques, database marketing, and interactive telecommunications; also gives students hands-on experience with relevant software. Prerequisites: MRKT 300 and MGMT 237 (or equivalent).

MRKT 0432 • Consumer Behavior

Fall, Spring & Summer (Demand) • 3 Credit Hours

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resulting purchase of goods and services. The purchaser's psychological, economic and socio-cultural actions and reactions are stressed. Prerequisite: MRKT 300.

MRKT 0470 • Marketing Research

Fall & Spring• 3 Credit Hours

The systematic gathering, recording, analyzing and presentation of data relating to market analysis, sales analysis, consumer research, advertising research and attitude research. Prerequisites: GB 321 and six hours of marketing.

MRKT 0472 • Marketing Strategy

Fall, Spring & Summer (Demand) • 3 Credit Hours

Strategic aspects of marketing: problems involved in environmental scanning, goal setting, planning and strategies as they apply to product and service policy, financial objectives, promotional objectives, distribution policy and marketing intelligence. Prerequisites: Senior standing, MRKT 432, MRKT 470, MGMT 350, and FIN 350.

MRKT 0491 • Internship in Marketing

Demand • 1-6 Credit Hours

An internship for senior marketing/management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.

MRKT 0498 • Advanced Topics in Marketing

Demand • 1-3 Credit Hours

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

MRKT 0499 • Independent Study in Marketing

Demand • 1-6 Credit Hours

Individually directed readings, research and discussion in selected areas of Marketing/Management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.



MASTER OF ACCOUNTANCY MACC DEGREE

FACULTY:

D. Smith - Program Director
Garner, Huffman, Moos & Nichols

The objective of the Master of Accountancy (MAcc) degree is to give students greater breadth and depth of accounting knowledge and to provide the academic background needed to begin a professional accounting career. Outstanding employment opportunities in public accounting, industry, and government await graduates of the MAcc program. It also meets the "150-hour" education requirement to sit for the CPA examination and for membership in the American Institute of Certified Public Accountants.

The MAcc program is a comprehensive program that develops students' conceptual and technical accounting competence, communication skills, research and analytical abilities, and leadership skills. The Missouri Southern State University MAcc focuses on the common body of knowledge recommended by the American Institute of Certified Public Accountants and builds on the traditional undergraduate accounting courses. Consequently, graduates are well prepared to sit for and pass the CPA exam. However, MSSU takes students beyond the knowledge required on the CPA exam. Students learn the theory behind accounting and auditing procedures so they can adapt to an ever changing environment. The program encourages life-long learning and is unique in two respects: (1) The MSSU MAcc teaches leadership through courses that focuses on the application of leadership in business and accounting organizations. (2) The program also intergrates case studies throughout the program in which students learn to use multiple resources to solve management and accounting problems.

An accelerated option is available for eligible MSSU undergraduate accounting majors. Students must apply during the second semester of their junior year. If accepted, students will start taking graduate classes their senior year and waive the MGMT 452 requirement and replace it with the MGMT 552 course. This option allows Missouri Southern State University accounting majors to obtain both the Bachelor of Science and MAcc degrees in five years with a total of 151 semester hours rather than the normal 154 hours. Students are also better prepared to obtain an internship or career job earlier in their academic program.

Admission Requirements – Traditional Program

Admission to the Master of Accountancy program is based on the applicant's undergraduate record, score on the Graduate Management Admission Test (GMAT), and other factors such as work experience and career progression. All applicants are subject to the review and approval of the MAcc Admissions Committee. Requirements include:

1. Baccalaureate degree in accounting from an accredited institution.
2. Undergraduate Grade Point Average (GPA) of 3.2 or higher in the last 60 hours of undergraduate work.
3. Achieve a minimum score of 450 on the Graduate Management Admissions Test on an exam taken within five years of application.
4. Submit a current résumé describing each fulltime professional position held. The résumé must show the month and year that the applicant started and left the position.

Non-Accounting Degrees: The traditional MAcc can accommodate students without undergraduate degrees in accounting. Deficiencies in a student's undergraduate business or accounting education must be removed by taking appropriate prerequisite courses. Those courses add to the number of hours required to complete the program. To determine the extent of deficiencies, students should contact the MAcc Program Director for a transcript analysis.

By completion of the MAcc Program, the student is expected to meet the common body of knowledge requirements of the ACBSP. These requirements involve course work in economics, statistics, computer information systems,

finance, business law, management and marketing that is essentially equivalent to that required of Missouri Southern State University undergraduate accounting majors.

Courses	Cr. Hrs
Intermediate Accounting	6
Cost Accounting	3
Taxation	6
Auditing	3
Principles of Finance	3
Business Law	3
Microeconomics	3
Macroeconomics	3
Management	3
Marketing	3
Statistics	3
International Business	3

GMAT Waiver: The Program Director may waive the GMAT requirement if one of the following situations is met:
• The applicant has an undergraduate GPA of 3.6 or higher in their last 60 hours,
• The program applicant took the Educational Testing Service's Major Field Test (MFT) at their undergraduate institution and scored at or above the 70th percentile, or
• The applicant holds an advanced degree (e.g., masters, doctorate from an accredited institution).

Preferred Dates for Applications

The MAcc program normally admits students only for the summer and fall terms with a preferred application date of April 1st. Students considering a spring admission should contact the MAcc Program Director for a transcript review prior to applying to the program.

To ensure time for processing, applications must be completed (including official transcripts and standardized test scores) at least one month prior to the beginning of the term for which the student wishes to enroll. Although every effort will be made to accommodate late applicants, there is no guarantee that a late applicant will be allowed to enroll.

Conditional Admission

Conditional admission may be granted when recommended by the department and approved by the Dean. For each conditionally admitted student, the department will specify on the admission review form the conditions for obtaining regular admission status, including a specified deadline, if applicable, for meeting these conditions. Conditionally admitted students are ineligible to receive financial aid, including graduate assistantships.

With good justification, this classification can be used when students

1. Have not met the minimum GPA requirement for regular admission; *
2. Have not submitted all required admission materials prior to initial enrollment (e.g. GMAT or official transcripts); or **
3. Need to complete prerequisites specified by the department offering the graduate program of interest.

Notes on Conditional Admission

* In the case of failing to meet minimum GPA requirements for regular admission, the student must obtain a minimum cumulative GPA of 3.00 after the first nine semester hours of graduate course work taken at Missouri Southern State University. The graduate courses taken during this probationary period must apply toward a degree program and be approved by the Program Director. If the cumulative 3.00 GPA is achieved, the student may then request the Program Director reclassify them to regular admission status. If a 3.00 GPA is not achieved, the student will be denied further graduate enrollment at MSSU.

** In the case of failing to submit the required standardized test score or final transcripts, the student must present appropriate documentation no later than the end of the first semester of graduate enrollment. The student will not be allowed to register for additional graduate course credits until the documentation is received by the accounting program.

Non-degree Seeking

Students who possess the minimum GPA for regular admission may choose to be admitted as a non-degree student. This classification is reserved for students who are undecided about their major field of emphasis, who choose to take work for upgrading their professional skills, or who wish to enroll in work for transferring to another graduate school. Any work taken by a non-degree student may subsequently be applied to fulfilling degree requirements.

Admission of International Students

International applicants to the MAcc program whose first language is not English must demonstrate a satisfactory level of English proficiency. Students need a strong command of the English language to perform at the graduate level, especially in interactive programs which emphasize teamwork and effective oral and written communication.

Applicants whose first language is not English and who have not earned bachelor's degrees from U.S. institutions will demonstrate English proficiency by submitting one of the following:

- TOEFL PBT score of 550 or higher
- TOEFL iBT score of 79 or higher
- IELTS score of 6.5 or higher

The English proficiency requirement may be waived at the discretion of the academic department chair if the last four semesters of full-time academic coursework have been completed at an accredited institution in the United States with an overall GPA of 3.00 or higher.

Admission of Transfer Students and Transfer Credit

No student who has attended another graduate institution and earned less than a cumulative 3.00 GPA on a 4.00 scale will be admitted to the MAcc program at MSSU.

Subject to the approval of the Dean and the appropriate department chair, a maximum of six hours of transfer graduate credit of grade B or above from another accredited institution may be accepted.

All transfer hours must be in courses for which an equivalent MSSU course exists, and no transfer hours may be in extension or correspondence work. A minimum of 24 hours credit in residence at MSSU is required.

Admission Requirements – Accelerated Program

Admission to the Master of Accountancy Accelerated program is based on the applicant's undergraduate record. Requirements include:

1. Current Accounting major at Missouri Southern State University
2. Submit an undergraduate transcript showing that the following accounting courses are either completed or in process with a minimum of a 3.5 GPA and have earned a minimum overall GPA of 3.6 or higher for their last 60 hours of undergraduate work:

   ACCT 309 - Accounting Information Systems
   ACCT 312 - Intermediate Accounting I
   ACCT 322 - Intermediate Accounting II
   ACCT 375 - Tax I
   ACCT 385 - Cost Accounting
   ACCT 408 - Tax II

3. Submit a current résumé describing each position held in the last five years. The résumé must show the month and year that you started and left each position

Probationary Admission: Applicants who do not meet the normal GPA admission requirements but who show indication of high promise will be considered for probationary admission by the MAcc Program Director.

Master of Accountancy

Traditional Program - GR09 • Accelerated Program - GR10

Required Courses		**30**
ACCT 502	Financial Accounting and Reporting	3
ACCT 508	Tax Planning and Research	3
ACCT 545	Integrative Accounting Seminar	3
ACCT 585	Controllership	3
ACCT 601	Ethics and Professional Responsibility	3
ACCT 604	Contemporary Auditing Issues	3
ACCT 632	Seminar in Financial Accounting Theory	3
FIN 535	Financial Analysis	3
MGMT 552	Strategic Management	3
Required Accounting Elective (choose one)		3
ACCT 691	Internship (3)	
ACCT 692	Individual Income Tax Assistance (3)	
ACCT 699	Directed Individual Study (3)	
Total		30

COURSE DESCRIPTIONS:
MASTER OF ACCOUNTANCY

ACCT 0502 • Financial Accounting and Reporting

Fall • 3 Credit Hours

Advanced study of accounting for business combinations, foreign currency transactions and translation, reorganizations and liquidations, and financial reporting requirements of the Securities & Exchange Commission. Prerequisite or Co-requisite: ACCT 332 or permission of MAcc Program director.

ACCT 0508 • Tax Planning and Research

Fall • 3 Credit Hours

This course introduces the upper-division accounting major or master's degree student to the basic concepts, methods, and tools of tax research. The coverage is broad, exploring the general framework of tax law. Prerequisite: ACCT 408, graduate status or MAcc Program Director permission.

ACCT 0545 • Integrative Accounting Seminar

Summer • 3 Credit Hours

The course integrates financial accounting and fundamental managerial accounting topics with strategic analysis to evaluate the organization's objectives of liquidity, profitability, and operations efficiency. The emphasis is on cash flow statement, ratio analysis, and use of accounting information to facilitate ethical decision making, planning, budgetary control, and performance evaluation processes. Prerequisite: ACCT 322 and 385, graduate status or MAcc Program Director permission.

ACCT 0585 • Controllership

Fall • 3 Credit Hours

A study of how accounting and operating information is used in management planning and decision making. Students will apply advanced costing models and design and evaluate management decision making information systems. Topics will include issues that are appropriate for consideration by executive management and the board of directors. Prerequisite: ACCT 385 and graduate status or MAcc Program Director permission.

ACCT 0598 • Special Topics in Accounting

Demand • 3 Credit Hours

For upper division accounting and Masters of Accountancy students with topics to be announced each time the course is offered. Prerequisite: Masters of Accountancy candidate or permission of MAcc program director.

ACCT 0601 • Ethics and Professional Responsibility

Spring • 3 Credit Hours

This course will provide the student with a framework for making ethical decisions in the accounting environment. In addition, the course will provide an introduction to professional responsibility with a particular focus on the CPA profession, and review legal issues of primary interest to professional accountants. Prerequisite: GB 301.

ACCT 0604 • Contemporary Auditing Issues

Spring • 3 Credit Hours

In-depth study of significant pronouncements of the Auditing Standards Board and the Public Company Accounting Oversight Board. Pronouncements will be compared to standards issued by the International Auditing and Assurance Standards Board. Prerequisite: ACCT 411and ACCT 502.

ACCT 0632 • Seminar in Financial Accounting Theory

Spring • 3 Credit Hours

Review of the principles, rules, and procedures underlying the broad area of external financial reporting, including comparisons of U.S. and International Accounting Standards. Literature of the course is composed of publications by authoritative accounting bodies and contemporary developments in academic research. Prerequisite: ACCT 502.

ACCT 0691 • Professional Internship

Spring • 3 Credit Hours

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined, and evaluated during the semester. Prerequisite: Permission of MAcc Program Director and a minimum 3.0 GPA.

ACCT 0692 • Seminar in Accounting Leadership

Spring • 3 Credit Hours

An examination of the leadership and communication challenges associated with being a professional accountant. Students will lead and participate in teams of students while preparing income tax returns with the Volunteer Income Tax Assistance program.

ACCT 0698 • Special Topics in Accounting

Demand • 3 Credit Hours

For Masters of Accountancy students with topics to be announced each time the course is offered. Prerequisite: Masters of Accountancy candidate or permission of MAcc program director.

ACCT 0699 • Independent Study in Accounting

Demand • 3 Credit Hours

In consultation with coordinating professor, student selects a topic for intensive study in the student's program, with emphasis on research. Prerequisites: Permission of MAcc Program Director and a minimum 3.0 GPA.

FIN 0535 • Financial Analysis

Fall & Summer • 3 Credit Hours

This applied course will familiarize students with the analytical and empirical tools used by financial managers to evaluate and forecast financial performance and perform project analysis and valuation. Topics will include the discounted cash flow analysis; project risk analysis; cost of capital; forecasting financial statements; enterprise valuation; and valuation using financial derivatives. Prerequisites: FIN 350 and MGMT 237.

MGMT 0552 • Strategic Management

Fall • 3 Credit Hours

In-depth analysis of industries and competitors, and how to build and defend sustainable competitive advantages in forming a successful competitive strategy. Case analysis and management simulation convey the multifunctional nature of decision making at the top management level. Augmented by live-case analyses.

For additional information contact:

Dr. David Smith • Plaster Hall 309H • 417-625-3012 • macc@mssu.edu

MASTER OF SCIENCE IN MANAGEMENT

FACULTY:

Campbell, Moos, Schmidt, Vernon

For more information call 417-625-9319

The Master of Science in Management (MSM) program at the Robert W. Plaster School of Business prepares students to assume greater management responsibilities and to more effectively progress in to leadership positions in their chosen career fields. This program is designed to give students flexibility in their program of study, based upon a solid foundation of core courses. The program is offered with convenient evening scheduling for busy working professionals.

Students may choose a program of study in management by completing the core curriculum, and then developing an individual plan of study including electives, directed study, and/or applied research efforts that help them achieve their personal career goals. Students may develop this plan of study with their assigned faculty advisor prior to completing the 18 credit hour core curriculum.

The MSM program also offers a focused track of study in Human Resource Management. The Human Resource Management programs at the Plaster School of Business have been recognized by the Society for Human Resource Management and coordinates with professional certification requirements.

For more information please contact the Plaster School of Business advising office at 417-625-3182, or to apply for admission, please go to business.mssu.edu.

Admissions Criteria:

The Master of Science in Management is open to students holding a bachelor's degree in any discipline from a regionally accredited university, or recognized equivalent international university. The suggested minimum GPA for entry into the program is a 3.0 on a 4.0 scale. Applicants with a lower GPA may be considered due to special circumstances, such as the difficulty of their undergraduate degree program, or demonstrated evidence of significant career achievement. In some cases, a GMAT or GRE test score may be recommended to assess the potential for success in the program.

Given that a study of business and management often includes quantitative reasoning and skills in using technology, it is recommended that students come into the program prepared to use these tools. Many good online review options exist in this regard. For a list of possible aids please call our business student advising office at the number listed above.

To apply for this program, students need to complete the online application at www.mssu.edu and fulfill all requirements outlined on the Application for Graduate Admission for the Master of Science in Management. This includes: 1) payment of the application fee; 2) providing official transcripts of undergraduate work showing bachelor's degree(s) earned; 3) providing a current resume; and 4) providing a personal goals statement.

Students are strongly encouraged to begin this program in the Fall semester. Completed applications for admission should be filed with the Admissions office no later than July 15 for Fall admission, December 1 for Spring admission, and April 15 for Summer admission.

Human Resources Emphasis ..... Major Code GR11

Master of Science in Management

Core Curriculum		**18**
FIN 600	Budgeting and Financial Controls	3
MGMT 637	Data Analysis and Decision Making	3
MGMT 650	Contenporary Organizational Management	3
MGMT 652	Human Resources for Managers	3
MGMT 741	Leadership and Ethics	3
MRKT 752	Business Strategy and Value Creation	3
Human Resources Track		12
MGMT 743	Selection, Recruitment and Retention	3
MGMT 745	Contemporary Compensation	3
MGMT 747	Performance Improvement, Training & Development	3
MGMT 749	Strategic Human Resources	3
Total		30

Management Emphasis ..... Major Code GR12

Master of Science in Management

Core Curriculum		**18**
FIN 600	Budgeting and Financial Controls	3
MGMT 637	Data Analysis and Decision Making	3
MGMT 650	Contenporary Organizational Management	3
MGMT 652	Human Resources for Managers	3
MGMT 741	Leadership and Ethics	3
MRKT 752	Business Strategy and Value Creation	3
Management Track		12
IB 710	Global Management Strategy	3
MGMT 552	Strategic Management	3
Electives:		6
MGMT 791	Thesis/Special Project (3-6)	
MGMT 798 and MGMT 799 (3-6)		
OR up to 6 hours approved graduate level transfer courses (0-6)		
Total		30

COURSE DESCRIPTIONS

FIN 0600 • Budgeting and Financial Controls

Fall • 3 Credit Hours

In this course the students will learn to create, execute and analyze budgets used in public, non-profit and for-profit organizations. The course will teach students specific tools using case studies and exercises. The course will cover budget analysis, development, formulation, cost and revenue estimation, budget execution, strategies and tactics and evaluation of operating and capital budgets. The implementation of financial controls will be emphasized.

IB 0710 • Global Management Strategy

Fall • 3 Credit Hours

This course examines management skills and strategy related to international market entry, operation, and human resource strategy. Special emphasis will be placed on managing the cultural, political, economic, social and technological environments. The students will study the international business environment, international business strategy, international organizational structure and international management. Management issues for small and large international companies will be examined in the areas of formulating and executing strategy, management of activities, building of capabilities, management across boundaries, coordination and control, and global human resource management.

MGMT 0552 • Strategic Management

Fall • 3 Credit Hours

In-depth analysis of industries and competitors, and how to build and defend sustainable competitive advantages in forming a successful competitive strategy. Case analysis and management simulation convey the multifunctional nature of decision making at the top management level. Augmented by live-case analyses.

MGMT 0637 • Data Analysis and Decision Making

Fall • 3 Credit Hours

Introduces the student to the analysis of problems for business decision making. The course covers data analysis, business modeling and simulation of complex problems. Students will utilize Excel for analysis, modeling and simulation.

MGMT 0650 • Contemporary Organiztional Management

Fall • 3 Credit Hours

Explores challenges in managing organizations and leading employees in a dynamic environment. Concepts covered include, planning, organizing, leading and controlling as well as advanced theories of organizational behavior.

MGMT 0652 • Applied Human Resources

Spring • 3 Credit Hours

Takes an in-depth look at human resource management functions all managers perform in today's workplace. Topics covered include human resource activity design, administration and evaluation as well as employment law, diversity, and international human resource management.

MGMT 0741 • Leadership and Ethics

Spring • 3 Credit Hours

Examines leadership from both classical and contemporary leadership theories and practices. Special emphasis will be placed on understanding transformational leadership, team leadership, leadership ethics, and leading in culturally diverse environments. The course examines the ethical issues and dilemmas managers face. Additional course work will provide a framework for analysis of management-related ethical issues and decision-making action required for satisfactory resolution of these issues.

MGMT 0743 • Recruitment and Retention

Spring • 3 Credit Hours

This course explores legal issues, measurement, reliability, and validity, job analysis, performance assessment, and recruitment. Students will learn strategies for employee recruitment and development, performance management, succession planning and retention, career management and leadership development.

MGMT 0745 • Contemporary Compensation

Fall • 3 Credit Hours

This course examines the financial reward systems of organizations as well as studies of theoretical and legal perspectives in business to include: job evaluation, wage surveys, incentives, pay equity, benefits, and compensation strategy.

MGMT 0747 • Performance Improvement, Training and Development

Fall • 3 Credit Hours

Focuses on the assessment of human performance problems in contemporary organizations. The design, development, implementation and evaluation of training programs is discussed. Students will become proficient in current training evaluation systems as well as the ISD & ADDIE models.

MGMT 0749 • Strategic Human Resource Management

Fall • 3 Credit Hours

Explores the design and execution of human resource management from a strategic perspective. The advanced human resource student will learn how to systematically and strategically utilize human resource management theory and assets in the implementation of HR policies to achieve competitive advantages.

MGMT 0791 • Applied Research

Fall & Spring • 3 Credit Hours

This course is designed to provide an understanding of how research methods are used to enable managers to make better decisions. Students will have an understanding of how to formulate a problem, choose a research method, data collection, data analysis and presentation of the findings.

MGMT 0798 • Advanced Topics in Management

Demand • 3 Credit Hours

For graduate students. Topics to be announced each time the course is offered. Prerequisite: Instructor permission.

MGMT 0799 • Independent Study in Management

Demand • 3 Credit Hours

Individually directed readings, research and discussion in selected areas of Management for graduate students. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Instructor permission.

MRKT 0752 • Business Strategy and Value Creation

Fall • 3 Credit Hours

Requires students to understand and utilize the principles of strategy and marketing to create organizational value. Lectures and cases will be used to acquaint the student with strategy and marketing concepts. A final project integrating these concepts is required.

For additional information on graduate programs at MSSU:
mssu.edu/academics/graduate/
Or call : 417-625-9319



Kinesiology

Psychology

Teacher Education

Master of Science in Education



School of Education®

School Dean

Dr. Deborah Brown, Dean
Taylor Hall 128A • 417-625-9314

Degrees and Majors

Bachelor of Arts
- Psychology

Bachelor of Science
- Health Promotion & Wellness
- Psychology

Bachelor of Science in Education
- Elementary Education
- K-12 Education
- Middle School Education
- Secondary Education

Master of Science
- Curriculum & Instruction
- Education Administration

Mission
The mission of the Missouri Southern School of Education is to create an inclusive and equitable learning environment that promotes intellectual and personal growth through scholarship, research and practical application.

Objectives
The objectives of the School of Education are:

1. to ensure the transmission of knowledge regarding the social, historical and philosophical foundations of each discipline;
2. to foster an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contributions made by various cultures in each discipline;
3. to integrate and apply technology relevant to research and professional productivity;
4. to develop critical thinking, communication and professional collaboration skills;
5. to instill an awareness and understanding of the personal and professional impact of participation in professional organizations and a commitment to life-long learning;
6. to develop professional attitudes and ethical standards;
7. to support opportunities for faculty and staff to remain current and to conduct research in their respective disciplines;
8. to provide instructional facilities and equipment essential to the delivery of effective instruction;
9. to encourage faculty to provide consultation services and to otherwise serve as resources for the area and,
10. to maintain the viability of the School of Education's programs through systematic and continuous assessment, evaluation and modification.

KINESIOLOGY

FACULTY: **Beeler - Interim Chair, Bruggeman, Conklin, Cullers, Mitts & Schiding**
Robert E. Young Gymnasium • 417-625-9316

Mission
The Department of Kinesiology supports the Missouri Southern State University mission to offer a liberal arts baccalaureate program that fosters the total education of each student. The department emphasizes quality teaching and academic advising, while promoting dedicated community and university service. The curriculum prepares future professionals to be successful at promoting healthy, active lifestyles in a global society.

The Kinesiology Department offers two degrees: the Bachelor of Science in Education degree (BSE) with a major in Physical Education K-12 and the Bachelor of Science degree (BS) with a major in Health Promotion and Wellness.

Candidates in the Department of Kinesiology are strongly encouraged to become involved with professional clubs and organizations at the departmental, state and national levels. The Department's programs of study reflect guidelines from the National Council for Accreditation of Teacher Education (NCATE), the American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD), the National Association for Sport and Physical Education (NASPE), Missouri Department of Elementary and Secondary Education (DESE), the American College of Sports Medicine (ACSM), the American Red Cross and requirements from the School of Education at Missouri Southern State University. Students studying in the Department of Kinesiology must earn a grade of 'C' or better in all required courses with a KINE, BIO, EDUC or PSY prefix.

Physical Education
Students who desire certification as a teacher of physical education will become qualified at both the elementary and secondary level (K-12). Physical Education K-12 majors should refer to pages 175-177 where the requirements for Missouri Southern's Teacher Education program are listed.

Health Promotion and Wellness
Graduates in this major will be prepared to promote life-style strategies to prevent illness and improve quality of life. Students seeking the health promotion and wellness degree must choose a clinical or non-clinical track and will actively participate in an internship experience in their final semester. Upon completion of the program, graduates may seek professional opportunities in a wide variety of areas including, but not limited to:

Fitness/Wellness Center	Long-Term Care Center	Physical Therapy
Community Health/Wellness	Corporate Wellness	Occupational Therapy
Group Exercise/Fitness	Personal Training	Physician Assistant
Cardiac Rehabilitation	Exercise Physiology	Athletic Training
Fitness/Medical Sales	Youth/Sport Camps	Public Health
Senior Center		

Note: Several career options require additional schooling and/or certifications. Students who wish to pursue the degree in Health Promotion and Wellness must have a cumulative GPA of 2.5 for all university course work prior to admission into KINE 495, Internship in Wellness.

Additional Interest Areas: Health
The Missouri Department of Elementary and Secondary Education (DESE) identifies Health as a certification area. To teach health in the State of Missouri, one must be certified. Courses required for such certification are offered at Missouri Southern. An alternative path to health certification is passing the Praxis Exam for Health Education (#5551).

Coaching
In the state of Missouri, head and assistant coaches in all sports must be certified teachers or administrators and be contracted by the Board of Education for the full school year as a full- or part-time teacher or administrator. The school

board may also hire, as an assistant coach only, an individual who possesses a valid substitute or temporary authorization certificate, provided the school gives evidence that the position is required to maintain existence of the program and/or an adequate safety level, the coach completes an in-service training program and a copy of the current teaching certificate is on file at the school. For the coaching requirements of another state, students will need to contact the state's governing agency. For students with an interest in coaching, we offer a number of related courses. These courses are not required and are considered electives.

Athletic Training

To become a certified athletic trainer, one must pass the National Athletic Training Examination. Only persons with a degree in Athletic Training are eligible to take the exam. Missouri Southern does not offer a degree in Athletic Training; however, for students who desire to pursue athletic training at the graduate school level, we do offer a number of related courses.

Bachelor of Science in Education ..... **Major Code** ES06

Physical Education Major, Grades K-12

General Education Requirements (p. 39) 46-47*. . . 41-42

Kinesiology Requirements		58
BIO 201	Human Anatomy (5)	
	OR	
BIO 221	Human Anatomy and Physiology II	5
KINE 113	Wellness for the Health Professional (2)	
	OR	
KINE 103	Lifetime Wellness	2
KINE 114	Fitness Programming and Assessment	2
KINE 135	History and Philosophy of Physical Education	2
KINE 220	First Aid and Sport Safety	2
KINE 251	Lifetime Activities	3
KINE 252	Team and Individual Sports Instruction	3
KINE 255	Dance and Recreational Pursuits	2
KINE 310	Theory & Technique of Elementary Physical Education I	3
KINE 312	Theory & Technique of Elementary Physical Education II	3
KINE 321	Theory & Technique of Secondary PE	3
KINE 332	Theory and Technique of Movement & Rhythms	3
KINE 340	Motor Learning in Physical Education	2
KINE 342	Biomechanical Analysis	3
KINE 345	Tests and Measurements in Physical Education	2
KINE 355	Sports Academy Practicum	1
KINE 365	Psychological Aspects of Physical Education	2
KINE 366	Social Aspects of Physical Education	2
KINE 375	Adapted Physical Education	3
KINE 385	Nutrition for Human Development	3
KINE 431	Physiology of Exercise	3
KINE 438	Applications in Physical Education	1
KINE 450	Prevention and Care of Injuries	3
Professional Certification Requirements (p. 177)		40
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Foundations of Education in a Global Society**	3
EDUC 301	Technology in Education	3
EDUC 302	The Exceptional Child	2
EDUC 321	Microteaching	2
EDUC 329	Pedagogical Theory, Methods and Practices	4
EDUC 381	Teaching in a Multicultural Society	3
EDUC 422	Content Area Literacy: Secondary	2
EDUC 423	Classroom Management	2
EDUC 432	Critical Issues in Education	2
EDUC 464	Student Teaching-EL-SEC (PK-12)	10
PSY 205	Child/Adolescent Development	4
PSY 310	Educational Psychology	2
Total		139-140

*Required courses in Kinesiology satisfy 2 hours of General Education (Area G)
**Fulfills General Education International Studies requirement (Area I)

Bachelor of Science ..... **Major Code** KI00

Health Promotion and Wellness Major

General Education Requirements (p. 39) 46-47* . . 41-42

Kinesiology Requirements		45
KINE 113	Wellness for the Health Professional (2)	
	OR	
KINE 103	Lifetime Wellness	2
KINE 114	Fitness Programming & Assessment	2
KINE 220	First Aid and Sport Safety	2
KINE 292	Fitness and Weight Training	2
KINE 295	Orientation to Health Promotion/Wellness	1
KINE 305	Aging and Health	2
KINE 340	Motor Learning	2
KINE 342	Biomechanical Analysis	3
KINE 345	Tests and Measurements in Physical Education	2
KINE 351	Exercise Interventions	3
KINE 352	Administration in Health Promotion	3
KINE 375	Adapted Physical Education	3
KINE 380	Research Methods in Health & Exercise Science	2
KINE 385	Nutrition for Human Development	3
KINE 395	Practicum in Wellness	2
KINE 431	Physiology of Exercise	3
KINE 432	Physiology of Exercise, Laboratory	2
KINE 491	Internship in Wellness	6
Supporting Requirements		19-20
MATH 140	Algebra and Trigonometry	5
BIO 201	Human Anatomy	5
	OR	
BIO 221	Human Anatomy and Physiology II (5)	
CIS 105	Introduction to Microcomputer Use	3
PSY 221	Psych of Personal Adjustment (3)	
	OR	
PSY 205	Child and Adolescent Development (4)	
	OR	
PSY 432	Abnormal Psychology (3)	3-4
GB 320	Business Communication	3
Supporting Electives - to total minimum of		19
MRKT 300	Principles of Marketing	3
MGMT 350	Fundamentals of Organizational Management	3
MGMT 352	Human Resource Management	3
MGMT 441	Organizational Behavior	3
PSY 282	Applied Behaviorism	3
PSY 320	Applied Statistics**	3
BIO 301	Human Physiology**	4
CHEM 151	General Chemistry I**	5
CHEM 152	General Chemistry II**	5
PHYS 152	Elementary College Physics II**	4
	OR	
Other approved electives		4
Total		124-126

*Required courses in Kinesiology satisfy 2 hours of the General Education (Area G). MATH 140, Algebra and Trigonometry, satisfies the 3 hour General Education math requirement (Area C)
**Suggested courses for students pursuing the clinical track.

COURSE DESCRIPTIONS: KINESIOLOGY

KINE 0101 • Introduction to Physical Activity
Fall, Spring & Summer • 1 Credit Hour

Designed to assist students in developing proficiency in a physical activity to increase the likelihood of lifetime participation. Non-repeated activities may be taken a maximum of three times for credit.

KINE 0103 • Lifetime Wellness

Fall, Spring & Summer • 2 Credit Hours

Designed to provide students with the knowledge and self-management skills that will assist them in adopting healthy lifestyles. The course will encompass all areas of wellness: physical, emotional, spiritual, social and intellectual.

KINE 0113 • Wellness for the Health Professional

Fall & Spring • 2 Credit Hours

Contemporary information about the beneficial effects of a healthy lifestyle and how to implement and live such a lifestyle. Required and limited to students studying in the Department of Kinesiology.

KINE 0114 • Fitness Programming and Assessment

Fall & Spring • 2 Credit Hours

Designed to teach introductory theory and technique in exercise testing and programming, based on the American College of Sports Medicine guidelines and certification requirements. Students will participate in and conduct tests of cardio respiratory fitness, muscular strength and endurance, joint flexibility and body composition. Prerequisite: KINE 113 or KINE 103.

KINE 0135 • History and Philosophy of Physical Education

Spring • 2 Credit Hours

Changing role of physical education from past to present as evidenced through the influence of the various philosophies. Prerequisite: KINE 113 or concurrently.

KINE 0150 • Rules and Officiating of Team Sports

Demand • 3 Credit Hours

Knowledge and skills for officiating basketball, volleyball, softball, baseball and football; officiating laboratory required in some areas.

KINE 0160 • Personal and Community Health

Demand • 2 Credit Hours

Study of the major risk factors determining health status, with special consideration given to principles and practices of good health for individual and community concerns, including personal and community assessments, body mechanics, nutrition, legal and illegal substances, responsible sexual behavior, mental health and the cause and prevention of disease.

KINE 0170 • Drug Education

Demand • 2 Credit Hours

Examine the dimensions and problems of drug use and abuse in our society. Basic information on drug classifications, as well as specific content areas dealing with pharmacology, legislation, drug testing, drug education and prevention efforts will be covered. Key societal influences will be addressed including drugs in the workplace, in sports, in medicine and throughout our culture.

KINE 0220 • First Aid and Sport Safety

Fall, Spring & Summer • 2 Credit Hours

Designed to offer students the knowledge and skills necessary to sustain life, in an emergency situation, by minimizing the consequences of injury and sudden illness until medical help arrives. Strategies for providing a safe environment for athletes and injury prevention will also be presented. Students receive certification through the American Red Cross in First Aid, CPR and AED adult and pediatric. Fee required.

KINE 0251 • Lifetime Activities

Fall • 3 Credit Hours

Knowledge, skill development, skill analysis, assessment, and pedagogy of selected lifetime activities commonly found in the school physical education curriculum. Students are expected to demonstrate a minimum level of proficiency in various activities. Enrollment restricted to Phy Ed candidates. Prerequisite: KINE 113.

KINE 0252 • Team & Individual Sports Instruction

Spring • 3 Credit Hours

Knowledge, skill development, skill analysis, assessment, and pedagogy of selected team and individual sport activities commonly found in the school physical education curriculum. Students are expected to demonstrate a minimum level of proficiency in various activities. Enrollment restricted to Physical Education candidates. Prerequisite: KINE 113.

KINE 0255 • Dance & Recreational Pursuits

Fall & Spring • 2 Credit Hours

Students will develop and refine the content knowledge and pedagogical skills needed for instructing dance, rhythms and lifelong leisure activities. Prerequisite: KINE 113.

KINE 0292 • Theory and Technique of Strength Training

Fall & Spring • 2 Credit Hours

Designed to assist health promotion professionals with designing and implementing strength training programs and with weight room management. Required and limited to students studying in the Department of Kinesiology. Prerequisite: KINE 113.

KINE 0295 • Orientation to Health Promotion and Wellness

Fall & Spring • 1 Credit Hour

An orientation to health promotion and wellness. A 15 clock-hour field based component is a part of this class. Students will receive initial exposure to community and hospital health promotion and wellness programs as well as Southern's Wellness Program. Limited to Kinesiology majors. Prerequisite: KINE 113.

KINE 0305 • Aging and Health

Fall & Spring • 2 Credit Hours

Designed to explore the physiological process of aging and the role of interventions. Students will conduct assessments and participate in activities appropriate for the aging population. Prerequisite: KINE 103 or KINE 113.

KINE 0310 • Theory and Technique of Elementary Physical Education I

Fall • 3 Credit Hours

Designed to provide pedagogical knowledge and application necessary for instruction of physical education with the elementary school child. Emphasis on motor skill instruction and analysis, curricular design, lesson planning and class management. Enrollment restricted to Physical Education majors. Prerequisite: KINE 251 or KINE 252.

KINE 0311 • Physical Education for the Elementary School

Fall & Spring • 2 Credit Hours

Provides elementary education candidates with the skill, content and pedagogical knowledge necessary to design and implement an interdisciplinary physical education program. Emphasis is on development of the total child through physical activity. Prerequisite: EDUC 329 or concurrent enrollment in EDUC 329.

KINE 0312 • Theory and Technique of Elementary Physical Education II

Spring • 3 Credit Hours

Designed to provide pedagogical knowledge and practical experience for instruction in the elementary school physical education setting. Emphasis on motor learning, physical fitness assessment, unit planning, and lifetime activity and sport instruction. Includes a 12-15 hour field experience. Prerequisite: KINE 310.

KINE 0321 • Theory and Technique of Secondary Physical Education

Spring • 3 Credit Hours

Offers pedagogical considerations necessary to develop teaching methodologies relative to lesson plan construction, class organization and evaluation of students. Teaching sessions will provide the opportunity to experience a variety of teaching methods and organizational styles. Enrollment restricted to Physical Education majors. Prerequisite: KINE 251 or KINE 252.

KINE 0325 • Practicum in Sports Medicine

Demand • 2 Credit Hours

This course is designed to provide the student the opportunity to observe and participate in athletic training procedures performed on athletes in the MSSU athletic training facility. (80 hours). Can be repeated once for additional credit. Prerequisites: KINE 220 and permission of instructor.

KINE 0332 • Theory and Technique of Movement and Rhythms

Fall & Spring • 3 Credit Hours

Designed to develop content knowledge and pedagogical skill in the area of dance and rhythmic activities developmentally appropriate for the PK-6 elementary physical education curriculum. Emphasis on movement concepts through activities involving creative dance, singing games, dances of American origin, international folk dances, and a variety of rhythmic activities. Students are expected to demonstrate a minimum level of proficiency in activities. Prerequisite: KINE 251 or 252.

KINE 0340 • Motor Learning in Physical Education

Fall, Spring & Summer • 2 Credit Hours

Designed to provide students with the background necessary for identification of physical, mental, social and emotional development and the effects on behavior movement. Prerequisite: 30 hours.

KINE 0342 • Biomechanical Analysis of Movement

Fall & Spring • 3 Credit Hours

A biomechanical approach to the study of forces on the human body with an emphasis on performance improvement, injury prevention and rehabilitation in sport and exercise. Prerequisite: BIO 201 or 221.

KINE 0345 • Tests and Measurements in Physical Education

Fall & Spring • 2 Credit Hours

Designed to introduce students to the techniques of measuring and evaluating performance. Includes preparation and administration of skill, fitness and written tests along with statistical procedures for data analysis. Prerequisite: KINE 114 and MATH 125 or higher.

KINE 0351 • Exercise Interventions

Fall & Spring • 3 Credit Hours

An introduction to the skills and instructional strategies of selected traditional as well as contemporary group exercise programs. Enrollment restricted to Health Promotion and Wellness majors. Prerequisite: KINE 113 and KINE 114.

KINE 0352 • Administration in Health Promotion

Fall & Spring • 3 Credit Hours

Provides students with the skills and knowledge necessary to design organize and implement appropriate health promotion programs. Required and limited to students seeking a degree in Health Promotion and Wellness. Prerequisites: KINE 113 and KINE 295.

KINE 0355 • Lifetime Sports Academy Practicum

Summer • 1 Credit Hour

A one-week practicum designed to provide students with practical teaching experience of children in lifetime sports and recreational activities. The Lifetime Sports Academy is held annually on the campus of Missouri Southern State University during the second week of June and is open to all elementary-aged children. Required of Physical Education majors. Can be repeated once for additional credit.

KINE 0365 • Psychological Aspects of Physical Education

Fall • 2 Credit Hours

Behavior exhibited in the learning of skills and physical performance related to psychological concepts connected with the demands of physical activities. Particular attention given to self-efficacy, motivation and participation and their effect on physical performance and personal wellness.

KINE 0366 • Social Aspects of Physical Education

Spring • 2 Credit Hours

Knowledge of the sociological aspects of physical activity relevant to physical education in schools. Particular attention given to the role of physical activity in social, ethical and moral development of citizens.

KINE 0367 • Socio-Psychological Aspects of Physical Education

Fall & Spring • 3 Credit Hours

Behavior exhibited in the learning of skills and physical performance related to sociological and psychological concepts connected with the demands of physical activities. Particular attention is given to self-efficacy, motivation, and participation and their effect on physical performance and personal wellness. Prerequisite: KINE 113 or KINE 103.

KINE 0370 • School Health Education

Fall & Spring • 3 Credit Hours

This course provides the background knowledge and skills teachers need to implement comprehensive school health education at the grade levels in which they are certified. Prerequisite: EDUC 329 or concurrent enrollment in EDUC 329. Fee required.

KINE 0375 • Adapted Physical Education

Fall & Spring • 3 Credit Hours

Provides information and strategies to assist professionals in designing and implementing appropriate physical activity programs for individuals with disabilities.

KINE 0380 • Research Methods in Health and Exercise Science

Fall & Spring • 2 Credit Hours

Provides theoretical content and applied experience with research methods in health and exercise science. Learning experiences will include designing, implementing, analyzing and interpreting research in the field. Prerequisites: KINE 114 and Junior Standing.

KINE 0385 • Nutrition for Human Development

Fall, Spring & Summer • 3 Credit Hours

Students will examine nutrition associated with human development and performance. Emphasis on the physiological and biochemical basis of nutrient absorption and utilization. Particular attention will be given to evaluating and developing strategies for optimal nutrition at various life stages. Prerequisite: any biology or chemistry course.

KINE 0395 • Practicum in Wellness

Fall & Spring • 2 Credit Hours

Students will gain experience in planning, implementing and evaluating various aspects of health promotion programs. Knowledge of wellness programs will be enhanced by the development and refinement of skills appropriate to the discipline. Out of class opportunities will include working with the Missouri Southern Wellness Program and/or the community. Prerequisite: KINE 295. Fee required.

KINE 0431 • Physiology of Exercise

Fall & Spring • 3 Credit Hours

Designed for students already having prerequisite knowledge of human physiology. Emphasis is on human responses to varying levels of physiological conditioning and environment within which the exercise is taken. Course content includes physiological principles to better understand human physiology under exercise stress.

KINE 0432 • Physiology of Exercise Laboratory

Fall & Spring • 2 Credit Hours

Lab activities with emphasis on instrumentation and techniques used in the assessment of the physiological response to exercise. Required course for Health Promotion and Wellness majors. Prerequisite: BIO 201 or 221. Fee required.

KINE 0438 • Applications in Physical Education

Fall & Spring • 1 Credit Hour

Designed to prepare physical education teacher candidates for the transition from student to the professional semester and the teaching profession. Emphasis will be on writing in the profession, creating a professional learning log, discussion in preparation of the student teaching experience, pedagogy and assessments, creating a 21st century assessment plan, preparation of a personal professional portfolio, research and critical discussion of current issues, trends and expectations within the profession. Recertification in American Red Cross Adult & Pediatric First Aid/CPR/AED is required. Restricted to Physical Education candidates the semester prior to student teaching. Prerequisites: Jr. Block or concurrent enrollment. Fee required.

KINE 0450 • Prevention and Care of Injuries

Fall & Spring • 3 Credit Hours

Designed to provide knowledge and skill related to the prevention, care and rehabilitation of athletic related injuries. Prerequisites: KINE 220 (course may not be taken simultaneously) and KINE 342. Fee required.

KINE 0491 • Internship in Wellness

Fall, Spring & Summer • 6 Credit Hours

Extensive, off-campus internship providing opportunity for students to be an integral component of a wellness or health promotion facility. Students and on-site supervisor will develop a contractual agreement that provides specific learning experiences for the internship. Prerequisites: Health Promotion and Wellness major, application for experience at least one semester in advance and consent of department.

KINE 0498 • Seminar in Health or Physical Education

Fall & Spring • 1-3 Credit Hours

A thorough study of an advanced problem in health or physical education for selected students. Prerequisites: senior standing and permission of department head.

KINE 0499 • Independent Study

Fall & Spring • 1-3 Credit Hours

Research of a problem or field of study relating to kinesiology. Material, content, credit and schedule to be arranged by the department head. Prerequisites: senior standing, 3.0 GPA in major and permission of department head.

For additional information on Kinesiology contact:

Dr. Sheri Beeler, Department Chair
Young Gymnasium 215 • 417-625-9316
beeler-s@mssu.edu

PSYCHOLOGY

FACULTY:

McDermid - Chair, Adamopoulos, A. Cole, C. Cole, Hackett, Huffman, Kostan & Tucker

Health Sciences Building 241 • 417-625-9315

Mission

The Psychology Department at Missouri Southern provides an education in the diverse field of Psychology. The core of the Psychology curriculum reflects the breadth of the field and exposes students to new developments, while allowing students to pursue individual academic interests. The department maintains a special emphasis on research and prepares students to effectively analyze, synthesize and present information about the science of behavior and mental processes. Our mission is to help students develop the critical thinking and communication skills they can use in their careers.

The Psychology Department offers two degrees: the Bachelor of Arts (BA) and the Bachelor of Science (BS). These degrees have the same General Education and Psychology course requirements. In addition, the BA includes an emphasis on foreign language and the BS includes an emphasis in science. Both degrees prepare students for careers that require a broad liberal arts education at the bachelor's level. Recent graduates with both degrees have entered careers in human and social services, research and business. The BA and BS degrees provide an excellent foundation for students who wish to earn advanced graduate degrees or go to professional school. Almost half of recent graduates have entered into graduate programs.

The Psychology Department also provides courses to meet the needs of other majors. PSY 100 fulfills a General Education Requirement. Students may also earn a minor in psychology.

In order to graduate with a major in Psychology, a student must also meet the following requirements:

1. Earn a 2.50 or above overall GPA.
2. Earn a 2.50 or above in the Psychology major.

Student Organizations

Psychology Club is open to all students who are interested in psychology. The club provides an informal setting for students to learn more about psychology. The club sponsors a wide variety of social and intellectual activities each semester.

Psi Chi - The International Honor Society in Psychology recognizes academic excellence and stimulates further scholarship. Psi Chi members are invited to participate in national and regional professional events. Locally, Psi Chi members share many activities with the Psychology Club.

Bachelor of Arts ..... **Major Code** PY01

Psychology Major

General Education Requirements (p. 39) 46-47* 40-41		
Psychology Requirements 49		
PSY 100	General Psychology *	3
PSY 200	Child Development	3
PSY 201	Adolescent Development (3)	
OR		
PSY 475	Adult Development and Aging	3
PSY 320	Applied Statistics	3
PSY 325	Research Methods in Psychology	3
PSY 330	Experimental Psychology	5
PSY 386	Conditioning and Learning	3
PSY 341	Social Psychology	
	OR	
PSY 422	Theories of Personality	3
PSY 390	Junior Seminar	2
PSY 411	Sensation and Perception	
	OR	
PSY 415	Animal Behavior	
	OR	
PSY 442	Physiological Psychology	3
PSY 432	Abnormal Psychology	3
PSY 443	Cognitive Psychology	3
PSY 481	Senior Thesis	3
Psychology Electives**		9
Modern Language (12 hours in one language)		12
Electives		22-23
Total		124

* PSY 100 satisfies major requirements and 3 hours of General Education Requirements. Three hours of foreign language satisfies area I of GER.
**The Psychology elective requirement will be met by completing 9 hours of additional Psychology courses, of which 6 hours must be in upper-division courses, 300-level or above. No more than 3 hours of PSY 499 may be used to fulfill the Psychology elective requirement. PSY 200, 201 and 205 cannot be used as elective courses.

Bachelor of Science.....**Major Code** PY00

Psychology Major

General Education Requirements (p. 39) 46-47*..... 43-44
Psychology Requirements 49

PSY 100	General Psychology *	3
PSY 200	Child Development	3
PSY 201	Adolescent Development	(3)
OR		
PSY 475	Adult Development and Aging	3
PSY 320	Applied Statistics	3
PSY 325	Research Methods in Psychology	3
PSY 330	Experimental Psychology	5
PSY 386	Conditioning and Learning	3
PSY 341	Social Psychology	
	OR	
PSY 422	Theories of Personality	3
PSY 390	Junior Seminar	2
PSY 411	Sensation and Perception	
	OR	
PSY 415	Animal Behavior	
	OR	
PSY 442	Physiological Psychology	3
PSY 432	Abnormal Psychology	3
PSY 443	Cognitive Psychology	3
PSY 481	Senior Thesis	3
Psychology Electives**		9
Science***		9
Electives		22-23
Total		124

*PSY 100 satisfies major requirements and 3 hours of General Education requirements.

**The Psychology elective requirement will be met by completing 9 hours of additional Psychology courses, of which 6 hours must be in upper-division courses, 300-level or above. No more than 3 hours of PSY 499 may be used to fulfill the Psychology elective requirement. PSY 200 and 205 cannot be used as elective courses.

***Additional hours of science, computer science or math that do not fulfill any other requirements. These include courses from: BIO, CHEM, MATH, GEOL, EH, PHYS and CIS as well as these specific courses: ACCT 201, HS 111, IET 110, INTS 306, KINE 385, PHIL 140, PHIL 312 and PHIL 420.

Minor in Psychology

Minor Code.....PY80

PSY 100	General Psychology	3
Psychology Electives**		18
Total		21

**Select with approval of a Psychology advisor, 12 must be upper division. A psychology advisor will help students with a minor in psychology to select courses appropriate to their goals.

COURSE DESCRIPTIONS: PSYCHOLOGY

PSY 0100 • General Psychology

Fall & Spring • 3 Credit Hours

Introductory course on the scientific study of behavior and mental processes. Covers research and theories in areas of psychology such as abnormal, social, learning and memory, neuroscience, and development. Fulfills a General Education Requirement (GER) for Area E2.

PSY 0200 • Child Development

Fall & Spring • 3 Credit Hours

The course will cover child development from conception to late childhood, including physical, cognitive, emotional, and social development. Theories and methods of child development will be discussed. Cultural and contextual aspects, including family and peer relationships will be included. Prerequisite: PSY 100 with minimum grade of 'C'. No credit will be given if PSY 205 has been completed.

PSY 0201 • Adolescent Development

Fall & Spring • 3 Credit Hours

The course will cover development from puberty to early adulthood, including physical, cognitive, social-emotional development and problems in development. Theories and research methodology will be included, as will adolescent development in the contexts of family, peers, and culture. Prerequisite: PSY 100 with minimum grade of 'C'. No credit will be given if PSY 205 has been completed.

PSY 0205 • Child and Adolescent Development

Fall & Spring • 4 Credit Hours

Various aspects of human development from conception, infancy, childhood, transescence to adolescence will be examined, including physical, emotional, social and cognitive development. Emphasis will be given to theoretical framework and its practical implication. Cross cultural variety will be included wherever appropriate. Prerequisite: PSY 100 with a minimum grade of C. One hour credit will be given toward graduation if PSY 200 or PSY 201 has been completed.

PSY 0221 • Personal Adjustment

Fall & Spring • 3 Credit Hours

The course addresses selected principles of adjustment, ways of coping, and research of practical value. Topics include the nature and management of stress, interpersonal communication, relationship dynamics, self concept, and the connection between physical and mental health.

PSY 0282 • Applied Behaviorism

Fall • 3 Credit Hours

Techniques of modifying behavior through principles developed by learning psychology. Emphasis on design and implementation of behavioral strategy in the laboratory, as well as practical settings. Prerequisite: PSY 100 with a minimum grade of 'C'.

PSY 0298 • Topics in Psychology

Demand • 1-3 Credit Hours

Designed to give instruction in some area of Psychology not covered in other courses. Prerequisites to be determined by department .

PSY 0310 • Educational Psychology

Fall, Spring & Summer • 2 Credit Hours

A practical application of psychological principles to teaching. Students will learn how research is conducted in the field and how to apply those findings to topics such as intelligence, learning, memory, and motivation, in their future classrooms. Geared primarily toward education majors. Prerequisite: PSY 100 and PSY 200, 201 or 205 with a minimum grade of 'C'.

PSY 0320 • Applied Statistics for the Behavioral and Natural Sciences

Fall & Spring • 3 Credit Hours

The course includes descriptive and inferential statistical techniques. The analysis and interpretation of data is emphasized. Prerequisites: PSY 100 (or permission) and MATH 125, 129, 130, or 131 with a minimum grade of 'C'.

PSY 0325 • Research Methods in Psychology

Fall & Spring • 3 Credit Hours

This course will focus on techniques to gather scientific information in the field of psychology with an emphasis on research design, data collection, statistical analysis, and reporting of statistical results. Prerequisite: PSY 320 with a minimum grade of 'C'.

PSY 0330 • Experimental Psychology

Fall & Spring • 5 Credit Hours

The research process is the foundation for building and refining the knowledge base in the field of psychology. This experimental methods course develops and applies basic research skills including: critiquing and applying existing research, conceiving of, developing, and conducting new research in a sound and ethical manner, analyzing statistical data, interpreting statistical results, and communicating research findings in a professionally acceptable manner. Prerequisites: ENG 101 and ENG 102. Prerequisite or co-requisite: PSY 325.

PSY 0341 • Social Psychology

Fall • 3 Credit Hours

Introduction to the scientific study of social thinking (how we view ourselves and others), social influence (including conformity, persuasion, and group influence), and social relations (including prejudice, aggression, attraction, and altruism). Prerequisite: PSY 100 with a minimum grade of 'C'.

PSY 0343 • Human Sexuality

Spring • 3 Credit Hours

Surveys current research and theory related to human sexuality. Human sexual behavior and attitudes will be viewed from biological, psychological, historical, and cultural perspectives. Prerequisite: Junior standing.

PSY 0386 • Conditioning and Learning

Fall & Spring • 3 Credit Hours

This course is intended to familiarize students with the leading theories and research in the field of learning. Animal (including human) studies will be discussed. Topics include Non-Associative Learning, Classical Conditioning, Instrumental and Operant Conditioning, Stimulus Control of Responding, Punishment, Avoidance Behavior, Memory and Cognitive Processes. Prerequisite: PSY 320 with minimum grade of 'C'.

PSY 0390 • Junior Seminar

Fall & Spring • 2 Credit Hours

For Junior Psychology majors. Through a combination of lectures, written assignments, guest speakers, class discussions and out-of-class activities, Junior Seminar is designed to help students clarify their career goals and determine the actions needed in order to achieve those goals. Topics relating to both career and graduate school in psychology-related fields will be addressed. Prerequisite: Junior standing.

PSY 0411 • Sensation and Perception

Spring (Odd) • 3 Credit Hours

This course is designed to help students understand how our sensory systems provide information about the world around us. The course focuses on the stimuli, physical sensory structures, sensory pathways, and basics of perception for our various senses. We will also discuss research used to examine how our different perceptual systems work, and will touch on differences between human sensory systems and those of other animals. Prerequisite: PSY 100 with a minimum grade of 'C' and any Biology course.

PSY 0412 • Measurement and Evaluation in Education and Psychology

Fall & Spring • 2 Credit Hours

Explores theories and problems of measurement and the assessment of learning. Contemporary and classical approaches to measuring achievement in the educational setting are examined. Prerequisite: PSY 310 with a minimum grade of 'C' or consent of instructor.

PSY 0415 • Animal Behavior

Fall • 3 Credit Hours

Over the course of the semester, we will explore the broad field of animal behavior, in a quest to understand both how and why animals do the things that they do. We will look at both proximate and ultimate explanations of behavior, and a major focus of this course will be on the variety of lab and field research that has led to our current understanding of behavior from a genetic to a population level of analysis. Prerequisites: PSY 100 with a minimum grade of 'C' and any Biology course.

PSY 0420 • Psychology in Film

Demand • 3 Credit Hours

An advanced course in psychology examining the use of psychological concepts in feature films. Readings will accompany each film and address the significant concepts illustrated. Specific topics will vary. Prerequisite: PSY 100 with minimum grade of 'C' and 6 additional hours of Psychology or permission from instructor.

PSY 0422 • Theories of Personality

Spring • 3 Credit Hours

Survey of both classical and contemporary theories of personality including assessment techniques, supportive research, and application. Prerequisite: PSY 100 with a minimum grade of 'C' and Junior standing.

PSY 0432 • Abnormal Psychology

Fall & Spring • 3 Credit Hours

Recognition and classification of the systems of mental disorders, specifying causes and possible therapeutic techniques. Theoretical and practical perspectives presented on a wide range of behaviors that have traditionally been viewed as abnormal. The course includes historical and present-day perspectives, including biological, psychosocial, cognitive, behavioral, and socio-cultural views. Both causal factors and treatment considerations will be discussed. Prerequisite: PSY 100 with a minimum grade of 'C'.

PSY 0435 • Clinical Psychology

Fall • 3 Credit Hours

Survey of history, current methods, guild issues, and future developments of clinical practice. Seminar format with considerable student participation. Prerequisites: Junior standing and 15 hours of Psychology with minimum grades of 'C'.

PSY 0442 • Physiological Psychology

Spring (Even) • 3 Credit Hours

Over the course of the semester, we will explore the structure and function of the nervous system from the individual neuron to the behavior of the organism. The biological basis of major psychological topics like movement, sleep, sensation, sexual behavior, and abnormal behavior will be examined from an ontogenetic and phylogenetic perspective, with a special focus on psychopharmacology. Prerequisite: PSY 100 with a minimum grade of 'C' and any Biology course.

PSY 0443 • Cognitive Psychology

Fall & Spring • 3 Credit Hours

A course covering the methods, theory, empirical research results, and applications of research in cognitive psychology, which is concerned with the scientific study of the mind. Topics include perception, attention, memory, knowledge representation, language, and decision making. Prerequisites: Junior standing or above and 9 hours of Psychology courses with a minimum grade of 'C'.

PSY 0475 • Adult Development and Aging

Fall • 3 Credit Hours

This course will cover adulthood and aging from a lifespan perspective. Topics include theories and research on physical and mental health, memory and cognition, social relationships, and the end of life. The course will include normative changes as well as individual differences, and emphasize positive aging. Prerequisites: PSY 100 and 6 additional hours in Psychology.

PSY 0481 • Senior Thesis

Fall & Spring • 3 Credit Hours

Capstone course for Psychology majors. Students design and conduct individual research projects on psychological topics. Projects include a review of the relevant scholarly literature, collection of data, analysis of data, and interpretation of results. Students communicate their research in both an APA-format research report and an oral presentation. Prerequisites: PSY 330 with a minimum grade of 'C' and Senior standing.

PSY 0498 • Advanced Topics in Psychology

Demand • 1-3 Credit Hours

Designed to give advanced instruction in some area not covered in other courses. For upper division majors. Prerequisites to be determined by department.

PSY 0499 • Independent Study

Demand • 1-3 Credit Hours

Course structured by advisor with approval of department chair. Prerequisite: Advanced standing in major field. Registration must be approved by advisor and department head.

For additional information on Psychology contact:
Dr. Robert McDermid
Health Sciences 234 417-625-9768
mcdermid-r@mssu.edu

TEACHER EDUCATION

FACULTY:

Hackett - Chair, Beachner, Brown, Cozens, Craig, Damer, Day, Faine, Gallemore, Gober, Hicklin, Locher, Neugebauer, Overdeer

Taylor Hall 220 • 417-625-9309

The mission of the Teacher Education Department is to develop reflective educators for a global society

Vision

The MSSU Teacher Education faculty and staff are dedicated to developing competent teachers who will incorporate into their classrooms a strong foundation of knowledge and pedagogy; a lifelong love of teaching and learning; and motivation to improve practice through reflection, self-study and professional development. It is our goal to assure that all candidates become ethical classroom practitioners, cognizant of the need to help all students meet their full learning potential.

All Teacher Education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the Council for the Accreditation of Educator Preparation (CAEP).

Program Objectives

Objectives for all programs in Teacher Education can be found in the Teacher Education Program Policy Handbook for Faculty and in the Teacher Education Program Policy Handbook for Students. Objectives for the stuJdent teaching program can be found in the Policy Handbook for Teacher Candidates, Cooperating Teachers and University Supervisors.

Teacher Education

The descriptions of the Teacher Education programs and the requirements that are listed for each program in Teacher Education in this catalog are subject to change during the period that this catalog is in use as required by external agencies. As changes are made by the State Department of Elementary and Secondary Education (DESE), legislative and regulatory bodies and accrediting agencies; candidates in the program will be alerted through the advising process. Teacher Education candidates are responsible for their programs of study. They are encouraged to obtain degree plan sheets for the program they are pursuing and work closely with their advisors.

Eligibility for current certification is a requirement for graduation with the exception of the Missouri Preservice Teacher Assessment (MoPTA). Transfer students with a Missouri Associate of Arts degree will need to meet several MSSU General Education Requirements. The Assistant Teacher Certification Officer, Taylor Hall 221, must complete a transcript evaluation as the general education requirements are not automatically complete for certification.

The Teacher Education Program consists of the Teacher Education Department and Conceptual Framework Committee, the Teacher Education Council and CAEP sub-committees. The Teacher Education Department oversees all Teacher Education programs and is specifically responsible for the elementary education program grades 1 through 6; early childhood education program, birth through grade 3; middle school program, grades 5 through 9; special education programs, grades K through 12.

The Dean of the School of Education is the chief spokesperson for the Teacher Education program and in this capacity is the chief administrator responsible for the Teacher Education programs. The Dean serves under the direction of the President of the University and the Provost/Vice President for Academic Affairs.

The Teacher Education Program is based on a conceptual framework that defines the role of the teacher as a reflective decision maker. In this role, the teacher must make decisions about pedagogical design and lesson design. Our conceptual framework creates teachers who can think critically, formulate decisions related to the multiple roles of teaching for its successful achievement and develops reflective educators for a global society. An extension of the role of the teacher as a reflective decision maker includes the teacher as a practitioner, lifelong learner, researcher, provider of service and change agent.

Central to the preparation for teaching is the conceptual framework, composed of professional knowledge, skills and dispositions that have been gathered from research, reported effective practices, from learned societies in such areas as human growth and development, learning theory, assessment, cultural diversity and special needs, curriculum content, psychological, sociological, historical and philosophical foundations, principles of effective instruction and school effectiveness.

In order to be an effective educational decision maker, the teacher must possess certain knowledge, cognitive abilities and pedagogical skills. These are included in the following 9 standards:

1. The teacher candidate understands the central concepts, structures, and tools of inquiry of the discipline(s) and creates learning experiences that make these aspects of subject matter meaningful and engaging for students.
2. The teacher candidate understands how students learn, develop, and differ in their approaches to learning. The teacher candidate provides learning opportunities that are adapted to diverse learners and support the intellectual, social, and personal development of all students.
3. The teacher candidate recognizes the importance of long-range planning and curriculum development. The teacher candidate develops, implements, and evaluates curriculum based upon standards and student needs.
4. The teacher candidate uses a variety of instructional strategies to encourage students' critical thinking, problem solving, and performance skills including instructional resources.
5. The teacher candidate uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive active engagement in learning, positive social interaction, and self-motivation.
6. The teacher candidate models effective verbal, nonverbal and media communication techniques with students and parents to foster active inquiry, collaboration, and supportive interaction in the classroom.

7. The teacher candidate understands and uses formative and summative assessment strategies to assess the learner's progress, uses assessment data to plan ongoing instruction, monitors the performance of each student, and devises instruction to enable students to grow and develop.
8. The teacher candidate is a reflective practitioner who continually assesses the effects of choices and actions on others. The teacher actively seeks out opportunities to grow professionally in order to improve learning for all students.
9. The teacher candidate has effective working relationships with students, parents, school colleagues, and community members.

Admission to the Teacher Education Program

After the candidate declares a major in Teacher Education, two levels of admission to the Teacher Education Program exist.

The first level is application for tentative formal admission, which may be after the candidate has declared a teacher education major and successfully completed 60 semester hours of prescribed course work or department chair approval.
Students must have tentative formal admittance before courses can be taken in professional education. Courses with an EDUC prefix cannot be taken until the Junior Block (EDUC 321, 329, & 423) has been completed.
EXCEPTIONS: EDUC 100, EDUC 280, EDUC 301 and EDUC 302 should be taken prior to the Junior Block. EDUC 316, EDUC 323, EDUC 340, EDUC 381 and EDUC 422 may be taken concurrently with the Junior Block classes. All secondary methods courses should be taken with Junior Block as offered.

Qualifications for tentative formal admission include the following:

1. Have a cumulative GPA of 2.75 in all course work. All candidates in education must maintain a cumulative GPA of 3.0 in their teaching areas, e.g., art, mathematics, elementary education, etc. Additional department/content requirements may apply.
2. Pass all sections of the state required entrance exam Missouri General Education Assessment (MoGEA). This test is not required of post Baccalaureates.
3. Have a composite ACT enhanced score of 20 (for candidates with an SAT score see the department of Advising, Counseling and Testing Services for conversion).
4. All applicants must complete a required background check and receive clearance. This process must be repeated once application is made for student teaching.
5. Complete the Missouri Educator Profile (MEP) Assessment.
6. Complete and submit an online application.

Attendance is required at a junior block orientation meeting. This orientation is held the week prior to classes beginning the junior block semester. When candidates attain these qualifications, they will receive tentative formal admission to the Teacher Education program and subsequent notification.

The second level is formal admission, which is granted after the candidate successfully completes the eight credit hour Junior Block: EDUC 321, Microteaching; EDUC 329, Pedagogical Theory, Methods and Practices; and EDUC 423, Classroom Management. The candidate must be recommended by the instructors of these courses.

The candidate must maintain a cumulative GPA of 2.75. If at any point in the program a candidate's GPA drops below accepted levels, the candidate will be dismissed from the teacher education program.

Grades below a 'C' in professional education courses will not be accepted for the degree requirements in teacher education. Candidates seeking certification in elementary education, middle school education, secondary education, special education and early childhood education must have a grade of 'C' or better in each of the courses in these certification areas.
The following list are courses at MSSU that must have a grade no lower than a 'C'. The Department of Elementary and Secondary Education (DESE) classifies these courses under professional requirements as foundations of teaching, teaching methods, elementary school courses and clinical experiences.

A) ALL "EDUC" prefix classes

B) Psychology classes:

PSY 100	General Psychology
PSY 200	Child Development
PSY 201	Adolescent Development
PSY 205	Child/Adolescent Development
PSY 310	Educational Psychology

C) Elementary Education Requirements:

GEOG 101 OR GEOG 111		3
ECON 101	Economics of Social Issues	3
MATH 119	Math for Elementary Teachers I	3
MATH 120	Math for Elementary Teachers II	3
ENG 325	Children's Literature	3
ART 220	Art for the Elementary School Teacher	2
MUS 332	Music for the Elementary School	2
KINE 311	Physical Education for the Elementary School	2
KINE 370	School Health Education	3

Candidates qualifying for formal admission to the program will be notified in writing. The date of formal admission will be entered on the candidate's record by the Registrar. Candidates who have not met the criteria will also be notified and corrective measures suggested.

Admission to Student Teaching

After completion of EDUC 329, Pedagogical Theory, Methods and Practices, but before the professional semester, candidates in early childhood education, elementary education, middle school education and special education take approximately 26 or more hours of work in professional education and in a teaching specialty. During this time, the candidate must maintain a cumulative GPA of 2.75 or better and a GPA of 3.0 or better in the teaching specialty. The candidate must earn a 'C' or better in all professional education courses and must retake courses in which a grade lower than 'C' is earned. Additional department/content requirements may apply. The candidate is expected to maintain those personal and professional requirements that were met as part of the admission requirements to teacher education. Requirements that must be met prior to admission to student teaching are:

1. Be fully admitted to the teacher education program.
2. Have a cumulative GPA of 2.75 and a GPA of 3.0 in the teaching specialty area(s).
3. Have all previous course work completed at the time of student teaching.
4. Have a completed application for student teaching on file at least one semester prior to the student teaching semester.
5. Have a grade of 'C' or better in each professional education course.
6. Have an approved autobiography on file.
7. Show proof of liability coverage.
8. Complete a required background check and receive clearance, or a current substitute certificate.

The student teaching program is designed for candidates who have met all of the requirements for student teaching at Missouri Southern State University. Attendance is required at a student teaching orientation the semester prior to student teaching. This orientation is held the second week of the semester. Attendance is also required at student teaching seminars. These seminars are held during the student teaching semester.

Note: In accordance with Mo. Rev. Stat. 168.400 (2005) and Mo. Code Regs. 5 CSR 80-805.40. Alternative clinical practice in lieu of conventional student teaching. Candidates must see the Teacher Education Certification Officer for eligibility requirements. All other university and departmental requirements for graduation still apply.

Graduation Requirements

In order to graduate from the Teacher Education Program, the candidate must successfully complete the following exit requirements, in addition to all other academic requirements of the University:

1. Demonstrate mastery of pedagogical knowledge and skills included in the 9 standards which are required of all teacher education students.
2. Have a cumulative GPA of 2.75 or higher.
3. Have a cumulative GPA of 3.0 or higher in the teaching specialty area. NOTE: This applies to those graduating beginning spring of 2017. Additional department/content requirements may apply.
4. Pass the Missouri Content Assessment Exam in the major area or areas.
5. Successfully complete student teaching requirements.
6. Complete the exit interview.
7. Clear the state required background check.
8. Be eligible for current Missouri teacher certification, with the exception of the MoPTA.

Advisement

Advisors will be assigned to candidates following admission to the University. For those without advisors, freshmen with declared majors in teacher education will have a Teacher Education advisor assigned as part of EDUC 100, Introduction to Teacher Education I and sophomores declaring a major in teacher education will be assigned advisors in EDUC 280, Foundations of Education in a Global Society. In addition, all secondary Teacher Education majors will have advisors in their teaching specialty area, due to the many specific course requirements and entrance and exit requirements for Teacher Education. Effective academic advisement is a partnership, with advisees taking responsibility for course work and degree completion.

All students who enter Missouri Southern as freshmen teacher education candidates are strongly recommended to take EDUC 100, Introduction to Teacher Education I, during their freshman year. EDUC 100 is required for ALL elementary education majors (less than 30 credit hours, beginning fall 2017).

Psychology Requirements

All teacher education majors must take PSY 100 General Psychology, PSY 310 Educational Psychology and PSY 205 Child & Adolescent Psychology (or PSY 200 and PSY 201).

Certification

Candidates majoring in elementary education, elementary education/early childhood education, elementary education/ special education, middle school education, secondary education or K-12 education, who successfully complete the requirements for this degree and successfully complete the Missouri Preservice Teacher Assessment (MoPTA) will be recommended to the Department of Elementary and Secondary Education for the Initial Professional Certificate (IPC). This is a probationary certificate that is granted for four years. Additional certification is granted by the Missouri Department of Elementary and Secondary Education. Candidates with degrees from MSSU or another institution who wish to be certified in the State of Missouri must meet all of the requirements that are set forth in this catalog for the BSE degree. All programs are designed to exceed minimal requirements for certification.

Exceptions to the General Education Requirements:

Elementary education majors must complete GEOL 210/212.

Physical Education Requirements

All teacher education candidates must meet the General Education Requirements with the exception of elementary education, early childhood education or special education candidates. These candidates are not required to take KINE 103 Lifetime Wellness. In place of this course, these teacher education candidates are required to take KINE 370, School Health Education and KINE 311, Physical Education for the Elementary School.

Bachelor of Science in Education (BSE) - Elementary Education

An added certification is available in early childhood education (birth-grade 3), special education (K-12). A course of study for these certificates is available in the Teacher Education Department Office. The elementary professional education sequence (1-6) must be followed along with the selected area of the added certificate.

K-12 Special Education

Major Code.....EE03

EDUC 305	Family Systems	1
EDUC 348	Transition Services	3
EDUC 405	Methods Teaching Emotional& Behavioral Disorders	3
EDUC 410	Teaching Mild/Moderate: Cross-Cat K-12	3
EDUC 430	Language Development for Exceptional Children	3
EDUC 474	Educational-Psychological Testing in Special Ed	3
EDUC 444	Student Teaching Special Education	10

1-6 Elementary Professional Education

General Education Requirements (p. 39)	**46-47**	**40-41****
MATH 119	Math for Elementary Teachers I*	3
MATH 120	Math for Elementary Teachers II	3
ENG 325	Children's Literature	3
ART 220	Art for the Elementary School Teacher	2
MUS 332	Music for the Elementary School	2
KINE 311	Physical Education for the Elementary School	2
KINE 370	School Health Education	3
PSY 205	Child & Adolescent Development	4
PSY 310	Educational Psychology	2
EDUC 100	Introduction to Teacher Education	1
EDUC 280	Foundations of Education in a Global Society*	3
EDUC 301	Technology in Education**	3
EDUC 302	The Exceptional Child	2
EDUC 311	Science in the Elementary School	3
EDUC 312	Teaching Mathematics in the Elementary School	3
EDUC 322	Teaching Social Studies in Elem. & Middle School	3
EDUC 329	Pedagogical Theory, Methods and Practices	4
EDUC 321	Microteaching	2
EDUC 340	Language Arts	2
EDUC 342	Developmental Reading: Elementary	3
EDUC 343	Content Area Literacy: Elementary	3
EDUC 381	Teaching in a Multicultural Society	3
EDUC 415	Integrated Elementary Practicum	3
EDUC 423	Classroom Management	2
EDUC 432	Critical Issues in Education	2
EDUC 470	Diagnostic & Remedial Reading	3

*EDUC 280 satisfies 3 hours of Area I. MATH 119/120 satisfies Area C. MATH 125 or MATH 130 satisfies MATH 119 requirement. ECON 201 or 202 will substitute for ECON 101 for transfer or change of major students only.
**EDUC 301 satisfies department computer literacy requirement.

B-3 Early Childhood Education

Major Code.....EE01

PSY 205	Child & Adolescent Development	4
EDUC 316	Foundations, Issues, & Trends in Early Childhood Education	3
EDUC 318	Early Childhood Curriculum and Learning	3
EDUC 319	Practicum I in Early Childhood Education	2
EDUC 323	Building Family and Community Relationships	3
EDUC 342	Developmental Reading: Elementary	3
EDUC 381	Teaching in a Multicultural Society	3
EDUC 408	Assessment & Practicum Early Childhood	4
EDUC 442	Student Teaching Elementary	10

K-12 TESOL

Major Code.....EE04

EDUC 387	Grammar for Pedagogical Purposes OR	
ENG 301	Introduction to English Linguistics	3
EDUC 380	Theories Teaching English as a Second Lang.	3
EDUC 381	Teaching in a Multicultural Society	3
EDUC 385	Assessment in TESOL	3
EDUC 422	Content Area Literacy: Secondary & Middle School	3
EDUC 480	Methods & Techniques for TESOL	3
EDUC 481	Material Development for TESOL	3
EDUC 482	Practicum for Teaching English to Speakers of Other Languages	3

K-12 TESOL certification is available in conjunction with ALL other programs; elementary, middle school, 9-12, K-12.

Bachelor of Science in Education • Middle School

Candidates who elect middle school (grades 5-9) as their major must complete the required courses for a single or dual certification. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty.

5-9 Middle School Professional Education

General Education Requirements (p.39)	**46-47 .....40-41****	
MATH 119	Math for Elementary Teachers I**	3
MATH 120	Math for Elementary Teachers II**	3
PSY 205	Child/Adolescent Development	4
PSY 310	Educational Psychology	2
EDUC 100	Introduction to Teacher Education*	1
EDUC 280	Foundations of Education in a Global Society**	3
EDUC 301	Technology in Education***	3
EDUC 302	The Exceptional Child 1-2 content area methods courses	3-6
(EDUC 333, 334, 336, 339, 340, 344)		
EDUC 321	Microteaching	2
EDUC 329	Pedagogical Theory, Methods and Practices	4
EDUC 423	Classroom Management	2
EDUC 381	Teaching in a Multicultural Society	3
EDUC 412	Middle School Philosophy Organization and Curriculum	2
EDUC 413	Methods of Teaching Students in the Middle Grades	2
EDUC 422	Content Area Lit I: Secondary/Middle School	3
EDUC 424	Content Area Lit II: Secondary/Middle School	3
EDUC 432	Critical Issues in Education	2
EDUC 452	Student Teaching-Middle School	10

*EDUC 100 required beginning fall of 2017.
**EDUC 280 satisfies 3 hours of Area I. MATH 119 and MATH 120 satisfies Area C. MATH 125 or higher satisfies MATH 119 requirement. ECON 201 or 202 will substitute for ECON 101.
***EDUC 301 satisfies department computer literacy requirement.

The number of hours added to the courses above depends on the content areas chosen. The possible choices are listed in the next column.

Dual/Single Certification

Dual Certification

EM00	Social Studies/English-Comm Arts
EM01	English-Comm Arts/Business
EM02	Business/Social Studies
EM05	English-Comm Arts//Math
EM06	English-Comm Arts//Science
EM10	Math/Business
EM12	Math/Speech & Theater
EM13	Social Studies/Math
EM14	Science/Math
EM15	Science/Business
EM17	Social Studies/Science
EM18	Speech & Theater/English-Comm Arts
EM19	Speech & Theater/Science
EM 20	Speech & Theater/Social Studies

Single Certification

EM 21	Math
EM 22	Communication Arts/English
EM 23	Science
EM 24	Social Studies

Bachelor of Science in Education
Secondary Education or K-12

The curriculum for secondary education is a joint effort of each department supporting a teaching specialty area and the Teacher Education Department.

The candidate who desires to teach in a secondary school may choose to become qualified in a single teaching field with a high degree of specialization. Specialties available for secondary and K-12 school teaching are:

1. Art K-12
2. Biology 9-12
3. Business Education 9-12
4. Chemistry 9-12
5. English 9-12
6. French K-12
7. Mathematics 9-12
8. Music K-12 (Vocal and/or Instrumental)
9. Physical Education K-12
10. Physics 9-12
11. Social Sciences 9-12 (emphasis in History, Political Science or Sociology)
12. Spanish K-12
13. Speech/Theatre 9-12
14. Unified Science 9-12 (emphasis in Biology, Chemistry or Physics)

For content area requirements please see the respective degree program in catalog.

Plan A: (Double Teaching Field)

Plan A is intended for those who desire to qualify as teachers in two different secondary content areas. Plan A is not available in all specialty areas. Please see your department/content area for advisement. Each area requires a minimum of 30 semester hours of specific course work which must meet Missouri State Department of Elementary and Secondary Education requirements.

Plan B: (Single Teaching Field)

Plan B is intended for persons who wish to concentrate teacher preparation in one subject matter area only. Forty or more semester hours are required in the subject matter area or related supporting courses listed in this catalog by department.

The Teaching Specialty for Secondary Education K-12/9-12

Candidates in secondary education must meet the same General Education Requirements as all MSSU students. Depending on the teaching specialty, these candidates will differ in the order in which they take the General Education Requirements. Each specialty area has a sequence of courses for the teaching specialty. Candidates should refer to the catalog under the teaching specialty.

K-12 Professional Education Courses

PSY 205	Child/Adolescent Development	4
PSY 310	Educational Psychology	2
EDUC 100	Introduction to Teacher Education *	1
EDUC 280	Foundations of Education in a Global Society**	3
EDUC 301	Technology in Education***	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching	2
EDUC 329	Pedagogical Theory, Methods and Practices	4
EDUC 335, 345	(Methods Course)	2
EDUC 381	Teaching in a Multicultural Society	3
EDUC 422	Content Area Lit I: Secondary and Middle School	3
EDUC 423	Classroom Management	2
EDUC 432	Critical Issues	2
EDUC 464	Student Teaching K-12	10

*EDUC 100 required beginning fall of 2017.
**EDUC 280 satisfies 3 hours of Area I.
***EDUC 301 satisfies department computer literacy requirement.

9-12 Secondary Professional Education Courses

PSY 205	Child & Adolescent Development	4
PSY 310	Educational Psychology	2
EDUC 100	Introduction to Teacher Education*	1
EDUC 280	Foundations of Education in a Global Society**	3
EDUC 301	Technology in Education***	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching	2
EDUC 329	Pedagogical Theory, Methods & Practices	4
EDUC 330, 332, 333, 334, 336, 339, 344	(Methods Course)	2-3
EDUC 381	Teaching in a Multicultural Society	3
EDUC 422	Content Area Lit I: Secondary and Middle School	3
EDUC 423	Classroom Management	2
EDUC 424	Content Area Lit II: Secondary and Middle School	3
EDUC 432	Critical Issues	2
EDUC 462	Student Teaching Secondary Education	10

*EDUC 100 required beginning fall of 2017.
**EDUC 280 satisfies 3 hours of Area I.
***EDUC 301 satisfies department computer literacy requirement.

COURSE DESCRIPTIONS: TEACHER EDUCATION

EDUC 0100 • Introduction to Teacher Education I

Fall & Spring • 1 Credit Hour

An orientation to teacher education required for freshmen who select elementary or secondary education as their major field. Intended to help clarify decisions about education as a major and career choice. Concepts covered include: teaching as a career, teacher preparation, employment prospects, educational funding and technology in education.

EDUC 0200 • Introduction to Teacher Education II

Demand • 1 Credit Hour

An extension of EDUC 100. Classroom experiences emphasized as well as the conditions for teaching. A 15 clock hour, field-based component is included.

EDUC 0280 • Foundations of Education in a Global Society

Fall & Spring • 3 Credit Hours

An introduction to and orientation class for all Teacher Education Programs and is required for all teacher education majors. As an International General Education Requirements course, it examines and compares the policies and practices of educational systems in countries throughout the world with those in the United States, to develop an understanding and appreciation of the historical, philosophical, political and financial aspects of education in a pluralistic, diverse society. A 32 clock hour field based component of American diversity in Southwest Missouri is included. Requires background check. Prerequisites: ENG 101 & ENG 102 or ENG 111.

EDUC 0301 • Technology in Education

Fall & Spring • 3 Credit Hours

A study designed to explore the role of technology in education with a special emphasis on technology as a tool in teaching and learning. The course will also examine a variety of technologies as well as strategies for the integration of these technologies into instruction. Specific technologies addressed will be subject to change as technology and its application to education continue to evolve. Prerequisite: Must be taken prior to or concurrently with the Junior Block. Required of all teacher education majors.

EDUC 0302 • The Exceptional Child

Fall & Spring • 2 Credit Hours

Designed for 5-9 Middle School, K-12 Physical Education and 9-12 Secondary majors and will include a series of awareness experiences dealing with the added complexities an exceptional student presents to a regular classroom teacher. This course emphasizes methods of meeting the diverse educational needs of today's secondary students through techniques of teaching, unit construction and daily planning. Includes characteristics of the exceptional student, resources in the community and legislation that determines school policy. Prerequisite: PSY 100, take prior to or concurrent with Junior Block.

EDUC 0304 • The Exceptional Student

Fall, Spring & Demand • 3 Credit Hours

Designed for 1-6 Elementary, 5-9 Middle School and K-12 Art, Music, Foreign Language, ECE, TESOL and Special Education majors. A series of awareness experiences dealing with the added complexities an exceptional child presents to K-12 regular and special education teachers. This course emphasizes methods of meeting the diverse educational needs of today's K-12 students through techniques of teaching, unit construction and daily planning. Includes characteristics of the exceptional child, resources in the community and legislation which determines school policy. Prerequisite: PSY 100; take prior to or concurrent with Junior Block classes.

EDUC 0305 • Family Systems for Special Educators

Fall & Spring • 1 Credit Hour

An introduction to the area of working with the families of exceptional children in the K-12 learning environment. The content includes understanding the impact of an exceptional child on a family dynamic, working with families as educational partners, engaging families in the special education process, linking families with school and community resources, and the development of professional collaboration skills. Prerequisite: PSY 100. May be taken concurrently with EDUC 302.

EDUC 0311 • Science in the Elementary School

Fall, Spring & Demand • 3 Credit Hours

Designed to help students (1) comprehend the basic notion of science and how children go about learning science, (2) develop materials suitable for demonstration, discovery and inquiry lessons and (3) develop the instructional skills necessary to achieve the first two goals. Prerequisites: Courses in biological and physical sciences and completion of Junior Block.

COURSE DESCRIPTIONS: TEACHER EDUCATION (CONT)

EDUC 0312 • Teaching Mathematics in the Elementary School
Fall & Spring • 3 Credit Hours

Application of principles of learning and techniques of presentation. Techniques for diagnosis and remediation are treated as they relate to the elementary classroom. Includes a 32 clock-hour practicum. Prerequisite: MATH 119 and completion of Junior Block.

EDUC 0316 • Foundations, Issues and Trends in Early Childhood Education
Fall & Spring • 3 Credit Hours

A survey course designed to acquaint the prospective teacher of young children with the historical, philosophical, psychological and social foundations of early childhood education; current trends and issues associated with early childhood programming; consequent role expectations of prospective teachers and field experiences with programs for young children with diverse needs. Prerequisite: Junior standing or instructor permission.

EDUC 0318 • Early Childhood Curriculum and Learning
Spring • 3 Credit Hours

Fundamentals of curriculum and learning for young children with special emphasis on: developing literacy and positive relationships and supportive interactions; using effective approaches, strategies and tools; understanding the importance, central concepts, inquiry tools and structures of content areas or academic disciplines; and incorporating resources to design, implement and evaluate experiences that promote positive outcomes for young children. Prerequisites: Junior Block and EDUC 316. Must be taken concurrently with EDUC 319.

EDUC 0319 • Practicum I in Early Childhood Education
Spring • 2 Credit Hours

Supervised teaching of three to five-year-olds in the MSSU Child Development Center for a minimum of 64 clock hours. Candidates will design and implement the following: small group, large group and individual learning experiences, develop appropriate materials for children's use and practice appropriate teaching and guidance strategies for young children. Prerequisite: Junior Block and EDUC 316. Must be taken concurrently with EDUC 318.

EDUC 0321 • Microteaching
Fall & Spring • 2 Credit Hours

A required part of Education 329. Short teaching episodes are prepared, taught and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline. Must be taken concurrently with EDUC 329 and EDUC 423. Tentative admission to Teacher Education.

EDUC 0322 • Teaching Social Studies in Elementary
Fall & Spring • 3 Credit Hours

An introduction to the instructional materials and methods of teaching social studies in the elementary and middle school. Prerequisite: Junior Block.

EDUC 0323 • Building Family and Community Relationships
Spring • 3 Credit Hours

To acquaint the teacher candidate with (1) the complex characteristics and concerns of children's families and their communities; (2) ways to support, empower and link families with key community resources appropriate for specific purposes; (3) strategies to involve families and communities in their children's development and learning through respectful, reciprocal relationships. Lecture, field trips and field experiences. Prerequisite: Junior standing or instructor permission.

EDUC 0329 • Pedagogical Theory, Methods and Practices
Fall & Spring • 4 Credit Hours

Examines the theoretical basis for the decision making model of the teacher education program. Provides the methodological basis for making pedagogical decisions concerning lesson design, identification of learning styles and assessment techniques. Microteaching provides an opportunity to practice methods and techniques for teaching. Thirty-two hours of junior internship in the elementary, middle and secondary school classroom provides an opportunity to refine theory into practical applications. Must be taken concurrently with EDUC 321 and EDUC 423. Tentative admission into Teacher Education. Prerequisite: EDUC 280.

EDUC 0332 • Teaching English and Language Arts in Secondary School
Fall & Spring • 3 Credit Hours

Provides an introduction to the instructional materials and methods of teaching English and language arts in the Secondary School. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0333 • Teaching Science in Secondary School
Fall • 3 Credit Hours

An introduction to the instructional materials and methods of teaching science. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0334 • Teaching Social Studies in Middle and High School
Fall • 3 Credit Hours

A required education course which is an introduction to the instructional planning, materials, philosophy, rationale and methods of teaching Social Studies. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0335 • Teaching Music in Secondary School
Spring • 2 Credit Hours

An introduction to the instructional planning, materials and methods of teaching music. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0336 • Teaching Business in Secondary School
Fall, Spring & Summer • 3 Credit Hours

Prepares students as teachers of business and marketing education by assisting in the development of instructional methods and techniques for facilitating student-oriented learning. For business education majors only. Taught online cooperatively with Northwest Missouri State University, University of Central Missouri, and Southeast Missouri State University. Must see Business Education advisor before enrolling.

EDUC 0339 • Teaching Mathematics in Secondary School
Fall • 3 Credit Hours

An introduction to the instructional planning, materials and methods of teaching mathematics. Includes brief survey of the history of algebra and trigonometry. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0340 • Language Arts
Fall, Spring & Demand • 2 Credit Hours

A foundations course for the development of understanding the attitudes necessary to teach written and oral communication at the elementary and middle school level. Must be taken concurrently with Junior Block.

EDUC 0342 • Developmental Reading: Elementary

Fall & Spring • 3 Credit Hours

Explore, study and apply a variety of reading strategies that provide understanding of effective, current text-based and experience-based teaching practices; review and compile information from journals/literature which includes research, ideas, trends, methods and experiences relevant to developmental reading; evaluate various reading approaches and programs; construct reading enrichment materials; and develop an attitude that will positively affect the self-concept of children with diverse learning styles, abilities, backgrounds and attitudes as they learn to read. Includes practicum. Prerequisite: Junior Block.

EDUC 0343 • Content Area Literacy: Elementary

Fall, Spring & Summer • 3 Credit Hours

Expand and extend the knowledge base acquired from Introduction to Developmental Reading; explore, study, apply and assimilate new learning about effective reading/study-skill strategies appropriate to the development and needs of the elementary-school population; design and construct enrichment materials to enhance reading in the content areas; develop knowledge on assessing elementary students' needs, plan instruction based on those needs and select appropriate and effective reading/study-skills instruction strategies; and focus on the importance of recreational reading as a lifetime habit. Includes practicum. Prerequisite: EDUC 342, concurrently with EDUC 470.

EDUC 0344 • Teaching Speech and Theatre in Secondary School

Spring & Demand • 2 Credit Hours

Techniques, methods and course content used in teaching speech and theatre. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0345 • Teaching Foreign Language in PK-12

Fall • 3 Credit Hours

An introduction to the instructional materials and the methodology used in the teaching of foreign languages in PK-12. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.

EDUC 0348 • Transition Services

Spring • 3 Credit Hours

A coordinated set of activities for a student designed within an outcome-oriented process that promotes movement from school to post-school activities, including post-secondary education, vocational training, integrated employment, continuing and adult education, adult services, independent living, or community participation. Study of coordinated activities, including instruction, community experiences, employment, and other post school adult living objectives. Prerequisite: EDUC 302 and EDUC 305. Can be taken concurrently with the Junior Block.

EDUC 0380 • Theories of Teaching English as a Second Language

Spring • 3 Credit Hours

An introduction to the fundamental concepts and processes of first and second language acquisition. A systematic overview of factors that affect an individual's ability to acquire a new language both during childhood and later in life. Special emphasis is on acquiring English as a second language in instructed settings. Prerequisite: Sophomore standing.

EDUC 0381 • Teaching in a Multicultural Society

Fall, Spring & Summer • 3 Credit Hours

The foundations of multicultural education along with approaches to multicultural education and teaching strategies applicable to all ages, grades and subjects. Prerequisite: Sophomore standing.

EDUC 0385 • Assessment in Teaching English to Speakers of Other Languages (TESOL)

Demand • 3 Credit Hours

The use of a variety of assessment methodologies to guide instruction and practice, evaluate language proficiency, and measure learner progress, especially in the context of content-based English language instruction. Prerequisites: EDUC 321, EDUC 329, and EDUC 423.

EDUC 0387 • Grammar for Pedagogical Purposes

Summer • 3 Credit Hours

This course is designed to introduce the in-service and pre-service teachers to the different dimensions of grammar, and the use of these dimensions in their teaching practice to help their students develop a working knowledge of the English grammar. Prerequisite: Sophomore standing.

EDUC 0402 • Historical and Philosophical Perspectives in Education

Fall & Spring • 2 Credit Hours

Analysis of the historical, philosophical, political and sociological aspects of education and their impact on professional educators today. Emphasis is on the development of the American education system from the colonial period and the acquisition of educational belief systems. Prerequisite: Recommend concurrent enrollment with Junior Block. Must be taken prior to the professional education semester.

EDUC 0403 • Methods of Teaching Students with Mental Handicaps

Demand • 3 Credit Hours

Designed to help the prospective or in-service teacher understand mental retardation and how to work effectively with students with mental retardation. Includes appropriate curriculum, individualized program development and teaching strategies. Prerequisite: EDUC 304 & Junior Block.

EDUC 0404 • Methods of Teaching Students with Learning Disabilities

Demand • 3 Credit Hours

Designed for the prospective or in-service teacher of students with learning disabilities: diagnosis, evaluation, programming, instructional approaches, instructional strategies and materials. Prerequisite: EDUC 304 and Junior Block.

EDUC 0405 • Methods of Teaching Students with Emotional & Behavior Disorders

Demand • 3 Credit Hours

Establishes a teaching rationale utilizing an individualized teaching strategy which enables the student with severe emotional and behavioral disorders to profit more fully from school experiences. Prerequisite: EDUC 304 and Junior Block.

EDUC 0407 • Overcoming Math Anxiety

Summer • 2 Credit Hours

Designed to help students overcome their personal mathematics anxiety, this course will also teach students how to stop the math anxiety cycle for their prospective elementary school students. Using a variety of intervention strategies and instruction in elementary education mathematics and mathematics education pedagogy, the course will enable students to help reduce, prevent and eliminate fear and avoidance of mathematics in future generations of students. Prerequisite: MATH 119.

EDUC 0408 • Assessment and Practicum in Early Childhood

Fall • 4 Credit Hours

An in-depth study of standardized early childhood screening instruments, informal observation techniques and current assessment strategies will be provided along with supervised administration, scoring and interpretation of standardized screening instruments. Course requires three hours of lecture and two clock-hours of practicum per week to practice systematic informal observation techniques and administer screening instruments, culminating in a written case study report. Prerequisites: EDUC 316, EDUC 318 and EDUC 319 or instructor permission.

EDUC 0410 • Teaching in the Mild/Moderate: Cross-Categorical Classroom: K-12

Spring • 3 Credit Hours

A methods course designed to give students numerous examples of curricular and instructional methodologies in the teaching of elementary and secondary students with mild disabilities in cross-categorical classrooms. Methodologies for students with learning disabilities, mental handicaps, behavior disorders, physical disabilities and other health impairments are discussed. Prerequisite: EDUC 304 and Junior Block.

COURSE DESCRIPTIONS: TEACHER EDUCATION (CONTINUED)

EDUC 0412 • Middle School Philosophy Organization, and Curriculum

Fall & Spring • 2 Credit Hours

Effective teaching and learning strategies for the Middle School and Junior High students, including comprehension of the developmental and academic needs of students. Designed for teacher education majors seeking middle school certification (Grades 5-9) and for others interested in upper elementary grades and curriculum and instruction. A 10 clock hour practicum is included. Prerequisite: Junior Block.

EDUC 0413 • Methods of Teaching Students in the Middle Grades

Fall & Spring • 2 Credit Hours

Exploration of middle school developmentally appropriate instructional planning, materials, evaluation and reporting of pupil progress. Student communication and personal development are stressed through exploratory programs and the balance of teaching and learning styles. Inquiry, problem solving and discovery methods used to show the importance of content knowledge and its application to decision making. Emphasis on the importance of interdisciplinary units of instruction to acculturate students. Designed for teacher education majors seeking middle school certification (Grades 5-9) and for others interested in upper elementary grades and curriculum and instruction. A 10 clock hour practicum is included. Prerequisite: Junior Block, EDUC 412 or recommended to be taken concurrently. Must be taken prior to professional education semester.

EDUC 0415 • Integrated Elementary Practicum

Fall & Spring • 3 Credit Hours

Clinical field experience in an elementary classroom with pragmatic application of differentiated instructional strategies, learning activities, and assessment. Candidates will plan, teach, and assess integrated content in an authentic learning environment supervised by a cooperating teacher for this 90-hour practicum. This course is taken the semester prior to candidate teaching with concurrent enrollment in EDUC 343, EDUC 470, EDUC 312 and either EDUC 311 or 322.
Prerequisites: EDUC 342, MATH 120, BIO 101, PHYS 101, GEOL 210 & 212.

EDUC 0420 • Introduction to Counseling

Fall & Spring • 3 Credit Hours

Survey course exploring the role and function of counseling, including theories, techniques, legal issues, ethical issues, diversity and current issues and trends. Designed as an overview for the classroom teacher and the special educator for use with students and parents: Prerequisite. EDUC 302 or 304. Must be taken after or concurrently with the Junior Block.

EDUC 0422 • Content Area Literacy I: Secondary/ Middle School

Fall, Spring & Summer • 3 Credit Hours

Secondary and Middle School education majors will explore and apply a variety of research-based and classroom-tested teaching strategies and learning activities designed to integrate a holistic approach to content area literacy. Students will practice strategies for integrating reading, writing, speaking, and listening into all content area classrooms. Students will utilize scaffolding tools to make content area reading more manageable and meaningful including before, during, and after-reading strategies; vocabulary development; content-specific reading approaches; and text-based analysis. Students will practice differentiating content area literacy strategies for students with disabilities and students learning English as a second language. The course may be taken concurrently with Junior Block.

EDUC 0423 • Classroom Management

Fall & Spring • 2 Credit Hours

Classroom Management teaches an understanding of individual and group motivation and behavior to create a learning environment that encourages active engagement in learning, positive social interaction, and self-motivation. Current theory will be investigated to devise strategies for a proactive approach to managing student behavior, immediate responses to classroom situations, and long-term maintenance of a positive learning environment. To be taken concurrently with EDUC 329 and EDUC 321.

EDUC 0424 • Content Area Literacy II: Secondary/Middle School

Fall • 3 Credit Hours

This course is a continuation of EDUC 422, Content Area Literacy I. Secondary and Middle School education majors will explore and apply a variety of research-based and classroom-tested teaching/learning strategies designed to integrate a holistic approach to content area literacy. Students will be able to identify and apply College and Career Ready Anchor Standards in reading, writing, speaking, and listening and identify and apply literacy standards for grades 6-12. Students will also identify teaching strategies and learning activities that utilize high level comprehension skills. Students will also be able to identify and describe specific challenges related to reading in each content area and identify appropriate alternate reading options and instructional interventions for students with reading deficits. Students will also apply practices for assessing reader comprehension and using data to match students with appropriate texts. Prerequisite: EDUC 0422.

EDUC 0430 • Language Development for Exceptional Children

Fall • 3 Credit Hours

Required for certification in special education. Basic structures of language, normal sequence of language acquisition and characteristics of language disabilities. Strategies suggested for both assessing and remediating language delays or disorders. Prerequisite: EDUC 304. May be taken concurrently with Junior Block.

EDUC 0432 • Critical Issues in Education

Fall & Spring • 2 Credit Hours

This course will concentrate on the exploration of current school problems with special regard to the following three categories: Law and Ethical Issues related to jurisprudence, legislation, and values; Classroom Management including dispositions for teachers and relationships with administration, pupils, parents, and the community; and Differentiation of Instruction to manage behavior and to accommodate the needs of learners in twenty-first century classrooms. The course includes field-based work and is part of the student teaching semester. Part of Professional Semester.

EDUC 0440 • International Student Teaching Seminar I

Fall • 1 Credit Hour

Offered to students selected to participate in the International Student Teaching Program. One credit hour of course work will be completed during the Fall Semester and one credit hour of course work will be completed during the Spring Semester. Class discussion will focus on the (given) culture, the applicable educational systems as they relate to the development of the American educational system and current educational trends in both countries. Specifically, the history, structure and pedagogical practices of both countries will be examined in a comparative education format. Specific travel requirements such as passports, insurance and cultural adaptation will be addressed. The culminating activity is the successful completion of student teaching abroad. Prerequisite: Enrollment is limited to selected program participants.

EDUC 0441 • International Student Teaching Seminar II
Spring • 1 Credit Hour

Offered to students selected to participate in the International Student Teaching Program. One credit hour of course work will be completed during the Fall Semester and one credit hour of course work will be completed during the Spring Semester. Class discussion will focus on the (given) culture, the applicable educational systems as they relate to the development of the American educational system and current educational trends in both countries. Specifically, the history, structure and pedagogical practices of both countries will be examined in a comparative education format. Specific travel requirements such as passports, insurance and cultural adaptation will be addressed. The culminating activity is the successful completion of student teaching abroad. Prerequisite: Enrollment is limited to selected program participants.

EDUC 0442 • Student Teaching - Elementary
Fall & Spring • 10 Credit Hours

Supervised participation on the elementary level in an assigned off-campus school site. The elementary student teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

EDUC 0444 • Student Teaching - Special Education
Fall & Spring • 10 Credit Hours

Supervised teaching in a special education setting in an assigned off-campus site. Course assignments require students to demonstrate their ability to be entry-level effective decision making teachers. Arrangements for placement are to be made in the semester preceding the actual student teaching block. The student will be required to divide the experience into two equal segments - elementary and secondary. Assignment to the sites is determined by the special education practicum assignment. Prerequisites: Please see Requirements for Admission to Student Teaching.

EDUC 0446 • Practicum in Special Education
Fall • 2 Credit Hours

Clinical experience in special education settings with students who have mild/moderate disabilities. This experience will occur in one of the following classroom settings: cross-categorical, learning disabled, mentally handicapped or behavior disordered. Includes both time in special education classes and on-campus seminar sessions. Prerequisites: EDUC 304 and 3 credit hours of special education methods.

EDUC 0452 • Student Teaching - Middle School
Fall & Spring • 10 Credit Hours

Supervised teaching on the middle school level in an assigned off-campus school site. The middle school teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

EDUC 0462 • Student Teaching-Secondary
Fall & Spring • 10 Credit Hours

Supervised teaching on the secondary level in an assigned off-cam-pus school site. The secondary school teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placements are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.

EDUC 0464 • Student Teaching-(K-12)
Fall & Spring • 10 Credit Hours

Supervised teaching on the secondary and elementary levels in assigned off-campus school sites. The PK-12 teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. The student will be required to divide the experience into two equal segments - elementary and secondary. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

EDUC 0470 • Assessments for Reading Instruction
Fall, Spring & Summer • 3 Credit Hours

This class prepares the beginning reading teacher and the regular classroom teacher to accurately assess reading interests, strengths and weaknesses of their students. Emphasis is focused upon using assessments as the vehicle to drive developmentally appropriate instruction. Class requires administering informal literacy assessments and planning instruction based on the results of the assessments. Prerequisites: EDUC 340, Junior Block, and EDUC 342, must be taken concurrently with EDUC 343.

EDUC 0471 • Practicum in Diagnosis of **Reading Difficulties**
Demand • 3 Credit Hours

Practice in administering, interpreting and reporting diagnostic test results of reading assessments. Emphasis on developmentally appropriate instruction based on testing results. Requires working with a reading disabled student and may involve off campus travel. Prerequisites: EDUC 342 or EDUC 422, EDUC 343, EDUC 474. May be taken concurrently with EDUC 470.

EDUC 0474 • Educational-Psychological Testing in Special Education
Fall • 3 Credit Hours

Comprehensive study of the various psycho-educational assessment techniques for diagnosis of learning problems of exceptional children, including educational, intelligence and psychomotor. Emphasis on translating assessment data to remedial programs. Prerequisites: EDUC 304, PSY 310 and Junior Block.

EDUC 0480 • Methods & Techniques for TESOL
Summer • 3 Credit Hours

Current program designs for teaching English language learners with a focus on English as a second language and sheltered immersion. Recent methodologies in language teaching, such as task-based and content-based instruction. Effective techniques for developing language skills, curriculum development, lesson planning, needs and task analysis. (May be taken concurrently with or after Junior Block).

EDUC 0481 • Material Development in TESOL
Fall • 3 Credit Hours

Considerations for evaluating, selecting, adapting and creating materials for the development of reading, writing, listening, and speaking skills. The use of a variety of assessment methodologies to guide instruction and practice, evaluate language proficiency, and measure learner progress, especially in the context of content-based English language instruction. Prerequisites: EDUC 321, EDUC 329, and EDUC 423.

EDUC 0482 • Practicum for Teaching English to Speakers of Other Languages
Fall, Spring & Demand • 3 Credit Hours

The application of TESOL coursework supervised by the TESOL faculty. Training in the sheltered instruction observation protocol (SIOP) with particular attention given to implementing language objectives. Supervised practical classroom experience. Prerequisites: EDUC 380, EDUC 381, EDUC 480 and EDUC 481 and Junior Block.

EDUC 0483 • Comparative Education and Cultures
Demand • 2 Credit Hours

One credit hour of course work will be completed on campus prior to and following the field experience. Class lectures will focus on the culture and educational systems of designated countries as they relate to the development of the American education system and current educational trends in the various applicable cultures. One additional credit hour of the course will be gained from the field experience component. Travel in cultures studied will include visits in schools with interviews arranged to meet the certification profile of class participants.

EDUC 0484 • Seminar in Science Education
Demand • 1-2 Credit Hours

This course is designed to explore science and science education related to topics not currently in the required teacher education curriculum. Offerings will vary by term to meet the needs of students and availability of faculty. Prerequisite: Completion of Junior Block and permission of instructor.

COURSE DESCRIPTIONS: TEACHER EDUCATION (CONTINUED)

EDUC 0498 • Seminar in Problems of Education

Demand • 1-3 Credit Hours

A weekly seminar for upper division majors. Credit hours determined by the department each semester. Covers specialized knowledge and/or current research in the discipline. Topics vary by semester and situation. Prerequisites: Advanced standing and consent of department head.

EDUC 0499 • Independent Study

Demand • 1-3 Credit Hours

Structured by the advisor with approval of department head. Prerequisites: Advanced standing in the major field and approval of advisor and department head.

For additional information contact:
Teacher Education Department
417-625-9309 • Fax: 417.659.4387

MASTER OF SCIENCE IN EDUCATION DEGREE: CURRICULUM & INSTRUCTION

The Master of Science: Curriculum & Instruction program is based on a conceptual framework that defines the role of the teacher as a reflective decision maker. In this role, the teacher must make decisions about pedagogical approaches and lesson design. Our conceptual framework creates teachers who can think critically and formulate decisions related to the multiple roles of teaching for its successful achievement and develops reflective educators for a global society. Some extensions of the role of the teacher as a reflective decision maker include the teacher as a practitioner, lifelong learner, researcher, provider of service and change agent.

BENEFITS OF THE M.S.Ed. CURRICULUM & INSTRUCTION DEGREE

The Master in Curriculum & Instruction program provides seasoned teachers an opportunity to acquire knowledge, improve their practice and prepare for curriculum leadership roles. The program is convenient and accessible. Courses are structured as hybrids (both on campus and via the Internet) with on-campus segments offered in the evenings and during the summer. Faculty in the program are experienced educational leaders and content specialists. The cohort structure of the program allows students to complete the program in six semesters. Note: This program does not lead to certification.

ADMISSION TO THE M.S.Ed.

Candidates must complete the following:

A. Submit an application for graduate admission and application fee.

B. Achieve a minimum score of 700 on the combined verbal and quantitative sections of the Graduate Record Examination. Tests taken after 8/1/2011, the minimum score is 280.

C. Complete a supervised writing assessment conducted by the Department of Teacher Education.

D. Have earned a Bachelor's of Science in Education (BSE) degree from a college or university accredited by agencies recognized by Missouri Southern State University.

E. Provide other graduate transcripts (if applicable).

F. Submit three professional letters of reference; one from current supervisor and two from colleagues.

Master of Science in Education . . . . . Major Code GR08
Curriculum and Instruction

General Education		15
EDUC 601	Current Issues	3
EDUC 645	Improvement of Instruction	3
EDUC 635	School Law	3
EDUC 650	Research Design	3
EDUC 660	Teacher Leadership	3
Major Requirements		21
EDUC 620	Advanced Learning Theories	3
EDUC 625	Literacy Instruction	3
EDUC 640	Curriculum Construction	3
EDUC 615	Managing Classroom Environments	3
EDUC 605	Educational Technology	3
EDUC 630	Assessment of Student Learning	3
EDUC 610	Multiculturalism in Education	3
Total Credit Hours:		36

M.S.Ed. program follows a cohort structure (6 hours per semester)

Master of Science in Education . . . . . Major Code GR13
Administration

Program is available beginning in the fall of 2016. For details refer to the graduate website at:
www.mssu.edu/academics/graduate
Select the Master of Science in Education-Administration link

M.S.Ed. program follows a cohort structure (6 hours per semester)

COURSE DESCRIPTIONS: MASTER OF SCIENCE IN EDUCATION

EDUC 0580 • Advanced Methods for TESOL

Fall & Spring • 3 Credit Hours

Current program designs for teaching English language learners with a focus on English as a second language and sheltered immersion. Recent methodologies in language teaching, such as task-based and content-based instruction. Effective techniques for developing language skills, curriculum development, lesson planning, needs and task analysis. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).

EDUC 0581 • Advanced Teaching in a Multicultural Society

Fall & Spring • 3 Credit Hours

The foundations of multicultural education along with approaches to multicultural education and teaching strategies applicable to all ages, grades, and subjects. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).

EDUC 0582 • Advanced Practicum TESOL

Fall & Spring • 3 Credit Hours

The application of TESOL coursework supervised by the TESOL faculty. Training in the sheltered instruction observation protocol (SIOP) with particular attention given to implementing language objectives. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Prerequisite: Graduate Office approval).

EDUC 0583 • Advanced Theories of English as a Second Language

Fall & Spring • 3 Credit Hours

An introduction to the fundamental concepts and processes of first and second language cquisition. A systematic overview of factors that affect an individual's ability to acquire a new language both during childhood and later in life. Special emphasis on acquiring English as a second language in instructed settings. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).

EDUC 0584 • Advanced Materials Development and Assessment in TESOL

Fall & Spring • 3 Credit Hours

Considerations for evaluating, selecting, and adapting materials for the development of reading, writing, listening, and speaking skills. The use of a variety of assessment methodologies to guide instruction and practice, evaluate language proficiency, and measure learner progress, especially in the context of content-based English language instruction. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).

EDUC 0587 • Advanced Grammar for Pedagogical Purposes

Fall & Spring • 3 Credit Hours

A systematic overview of the elements of the English language. Focus on grammatical analysis and the approaches to English grammar that are particularly relevant for language educators. Linguistic analysis of academic tasks for making sound pedagogical decisions and scaffolding instruction. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).

EDUC 0601 • Current Issues

Fall, Spring & Demand • 3 Credit Hours

This course is designed to help educators become more aware of current issues and topics related to education. Topics will be studied within both historical and current contexts. The goal is to provide educators strategies to succeed in their teaching environments. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0605 • Educational Technology

Fall, Spring & Demand • 3 Credit Hours

This course is designed to provide an overview of various technologies designed to promote student learning. The goal is to provide information on how to use technology in areas such as differentiation, assessment, and student and teacher productivity. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0610 • Multiculturalism in Education

Fall, Spring & Demand • 3 Credit Hours

This course is designed to provide strategies for creating an inclusive classroom environment. The goal is to provide information about effective methods of inclusion and instruction for all students including those who have diversity of ability, culture, language, race, ethnicity, religion, gender, sexual orientation, or family constellation. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0615 • Managing Classroom Environment

Fall, Spring & Demand • 3 Credit Hours

This course is designed to provide seasoned teachers an opportunity to assess their classroom management style with a focus on improving performance. The goal is to explore common classroom management issues and provide information on multiple management strategies. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0620 • Advanced Learning Theories

Fall, Spring & Demand • 3 Credit Hours

This course is designed to inform students about the major theorists who have contributed to the study of learning. The goals are to examine how contemporary learning theories evolved from historical perspectives and to identify a personal philosophy of teaching and learning. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0625 • Literacy Instruction

Fall, Spring & Demand • 3 Credit Hours

This course is designed to provide an overview of the key factors influencing student literacy including motivation and metacognitive awareness. The goal is to provide strategies for whole group and differentiated literacy and to create a classroom literacy plan. Prerequisites: Admission to MSSU Masters of Curriculum and Instruction Program and advisor approval.

COURSE DESCRIPTIONS:
MASTER OF SCIENCE IN EDUCATION DEGREE (CONTINUED)

EDUC 0630 • Assessment of Student Learning

Fall, Spring & Demand • 3 Credit Hours

This course is an overview of the current research, theory, and practice related to assessment and student learning. The goal is to assist students in seeing the relationship between research and practice and to provide a framework to use when making decisions about assessment methods and instructional strategies. Prerequisites: acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0635 • School Law

Fall, Spring & Demand • 3 Credit Hours

This course is a survey of the laws and policies that govern P-12 education and their theoretical foundations. The goal is to provide information about how federal and state law drives P-12 policy and funding and the common legal issues that arise. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

EDUC 0640 • Curriculum Construction

Fall, Spring & Demand • 3 Credit Hours

This course is designed to provide information related to current P-12 curriculum development. The goal is for students to apply information from prior courses (technology, inclusion, differentiation, assessment, and learning theory) and current state and federal standards to construct relevant curriculum for a specific grade or content area. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program, EDUC 620 and 630, and advisor approval.

EDUC 0645 • Improvement of Instruction

Fall, Spring & Demand • 3 Credit Hours

This course is designed to provide seasoned teachers an opportunity to assess their teaching styles and strategies with a focus on improving performance and becoming an instructional leader. The goal is for students to integrate multiple data sources and information from prior courses (technology, inclusion, differentiation, assessment, and learning theory) in their improvement plans. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program, EDUC 620 and 630, and advisor approval.

EDUC 0650 • Research Design

Fall, Spring & Demand • 3 Credit Hours

This course is an overview of the various methods used in conducting educational research. The goals are to provide information about qualitative, quantitative, and action research methods and give examples of how each is used in P-12 educational settings. Students will design an action research project that could be used in their educational environment. Students will also examine concepts such as establishing reliability and validity and research ethics. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction and advisor approval.

EDUC 0660 • Teacher Leadership

Fall, Spring & Demand • 3 Credit Hours

In this course, students will identify characteristics of the effective teacher leader and examine issues such as leadership styles, facilitation, reflection, and problem solving. Students will also analyze their role as a current/potential leader and suggest a plan for maximizing their potential. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.

For additional information contact:
Gene Taylor Education
Graduate Office • 417-625-9314
tegradprgm@mssu.edu



DENTAL HYGIENE

FIRE ACADEMY

HEALTH SCIENCE

MEDICAL LABORATORY SCIENCE

NURSING

EMT/PARAMEDIC

PRE-PROFESSIONAL

RADIOLOGY

RESPIRATORY CARE



School of Health Sciences®

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Degrees and Majors

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- Health Science
- Medical Technology
- Nursing

Associate of Science
- Dental Hygiene
- Radiologic Technology
- Respiratory Care

Certificate
- EMT
- Fire Academy
- Paramedic

Options and Emphases
- Health Science Degree
  - Dental Hygiene
  - Paramedic
  - Radiologic Technology
  - Respiratory Care
  - Business/Life-Health Science
  - Pre-Professional

Mission
The Mission of the School of Health Sciences is to develop highly competent professionals through innovative academic programs supported by the liberal arts and global perspectives curriculum. The school is dedicated to the advancement of knowledge and skills with integration of inter-professional education for the improvement of society and service to all its stakeholders.

Role
The School of Health Sciences is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under the leadership of professional educators who also have the advantage of actual work experience in business, industry, health care and government. Instruction is further enhanced by the utilization of qualified individuals from business and professionals in the community as guest lecturers and part-time instructors.

Courses offered by individual departments within the School of Health Sciences are specifically career oriented toward a specialized field. The faculty in these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities and natural sciences, as well as courses to refine a student's ability to read, write, speak and think are a required part of each department's curriculum. As a result, the students majoring in the various curricula in the School of Health Sciences are an integral part of the entire student body.

All courses offered in the School of Health Sciences are designed to provide students with the experience, skills or expertise that enable them to enter their professional field and meet requirements imposed by any certifying and licensing examination that may be required.

The School of Health Sciences also recognizes that in many respects the community is also a classroom. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular university instructional personnel.

The School of Health Sciences offers curricula leading to a Master of Science, Bachelor of Science and Associate of Science degrees as well as certificates. Programs of shorter duration required for licensure or certification also are offered. Numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry and public services.

All departments work closely with advisory boards composed of professionals from area health care agencies. The advisory board assists the faculty of the various departments in maintaining relevancy of curriculum content and identifying special needs that can be addressed through continuing education programs.

Goals
The goals of the School of Health Sciences are:

1. To provide opportunities for students to prepare for a broad range of established and emerging careers;
2. To maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society to become a contributing member of their society;
3. To provide programs in the most cost effective method possible that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
4. To provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;
5. To provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
6. To provide a variety of supportive functions that serve a variety of area needs;
7. To offer quality programs, and in areas where required, maintain program content necessary for special accreditation;
8. To offer a variety of continuing education programs to meet special needs and demands;
9. To encourage faculty to provide consultation services and otherwise serve as resources for the area;
10. To advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
11. To assist faculty to meet and maintain eligibility for special certification required in numerous programs.

DENTAL HYGIENE

FACULTY:

Scrivner - Chair, Cantrell, Corum, Kelley, Leslie, Merritt,
Rogers, Shearman, Strait, and Taubel

Mission

Missouri Southern State University Dental Hygiene program empowers students to become life long learners and facilitate the development of ethical and competent oral healthcare professionals, who provide patient care to a diverse population utilizing innovative technologies.

Goals

First, to provide quality education that reflects best practices in dental hygiene in order to become an ethical licensed oral healthcare professional. Second, to provide comprehensive dental hygiene services to the communities served by Missouri Southern State University. Third, to promote the significance of dental hygiene professional development and commitment to life long learning.

The dental hygienist is a licensed healthcare professional and member of the dental health team. The diverse duties of the dental hygienist include performing oral prophylaxis and peridonal assessment and therapy; collecting and evaluating medical history information; performing head and neck screening examinations; applying agents for the prevention of decay; applying desensitizing and antimicrobial agents; administering local anesthesia and nitrous oxide analgesia; and exposing and interpreting radiographs. The dental hygienist acts as a dental health educator, and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental schools; industrial clinics; the armed services; and research institutions.

Missouri Southern offers an Associate of Science degree in Dental Hygiene. Upon satisfactory completion, graduates are eligible to take the National Dental Hygiene Board Examination and practical examinations required for licensure in Missouri and other states. The MSSU Dental Hygiene Program is accredited by the Commission on Dental Accreditation (CODA).

Admission to Missouri Southern does not automatically grant admission to the Dental Hygiene Program. In addition to meeting admission requirements for the University, candidates must apply for admission to the Department of Dental Hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by January 31. Applicants must have an overall GPA of 2.75 to apply.

Application consideration requires evidence of satisfactory completion of the following prerequisites with a grade of 'C' or better:

ENG 101	College Composition (WI)
BIO 121	Human Anatomy & Physiology I
BIO 221	Human Anatomy & Physiology II
BIO 231	General & Medical Microbiology
CHEM 120	Chemistry for Allied Health Sciences
COMM 100	Oral Communications
MATH 030	Intermediate Algebra (or higher)

Enrollment is limited by selection and applicants are admitted contingent upon a criminal record check, random drug testing, the completion of physical and dental examinations and the rendering of an acceptable health status. Students are admitted to the dental hygiene program only in the fall of each year. As students in a health care profession, dental hygiene students may be exposed to bloodborne pathogens and infectious diseases.

Students may complete the Dental Hygiene Associate of Science degree in Joplin or at one of two distance sites: Rolla, MO at the Rolla Technical Center or in Sikeston, MO on the Southeast Missouri State University Sikeston Campus.

Lecture courses are taught using Interactive Television, Internet or a combination of these formats. Using the ITV format enables students to interact live with instructors and fellow students at all sites. Each site has a clinic for the clinical instruction experience.

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students: $500 to $2000 per semester for laboratory fees, various expenses for transportation to off campus clinical sites and professional meetings. In addition, approximately $1500 for licensure exams, which will vary depending on the state in which license is desired.

The Associate of Science in Dental Hygiene requires a minimum of 90 credit hours, including the prerequisite courses. Course grades of 'C' or above in Dental Hygiene and supporting science courses are necessary for retention in the Dental Hygiene program.

Associate of Science in Dental Hygiene. . . . . Major Code DH00

General Education Requirements (p. 40)27-28		**20***
Dental Hygiene Requirements		**74**
DH 101	Fundamentals of Dental Hygiene	2
DH 103	Fundamentals of Dental Hygiene I-Lab	2
DH 105	Fundamentals of Instrumentation**	2
DH 120	Medical Emergencies	1
DH 140	Dental Morphology	1
DH 150	Oral Histology and Embryology	3
DH 160	Dental Radiology Lecture	2
DH 165	Dental Radiology Lab	1
DH 190	Clinical Dental Hygiene I**	4
DH 210	Pain Management.	1
DH 220	Dental Materials	1
DH 225	Dental Materials Lab	1
DH 280	Periodontics I	2
DH 290	Clinical Dental Hygiene II**	4
DH 295	Seminar in Dental Hygiene I	1
DH 300	Community Dental Health Education	3
DH 301	Community Health Practicum	1
DH 310	Nutrition	2
DH 320	Pharmacology	2
DH 340	Oral Pathology	3
DH 350	Periodontics II	2
DH 390	Clinical Dental Hygiene III**	4
DH 395	Senior Seminar	1
BIO 121	Human Anatomy & Physiology I*	4
BIO 221	Human Anatomy & Physiology II**	5
BIO 231	General and Medical Microbiology**	5
BIO 240	Radiation Biology	3
CHEM 120	Chemistry for Allied Health Sciences*	5
SOC 110	Introduction to Sociology*	3
PSY 100	General Psychology*	3
Total		**94**

*General Education Requirements met by the following Dental Hygiene degree requirements SOC or PSY (3 cr. hrs.) and CHEM 120 (5 cr. hrs.) or BIO 121 (4 cr. hrs.).

**See course descriptions for prerequisites.

Associate of Science degree students must meet the Missouri Constitution Requirement by completing PSC 120 or the Missouri Constitution Test.

COURSE DESCRIPTIONS: DENTAL HYGIENE

DH 0101 • Fundamentals of Dental Hygiene

Fall • 2 Credit Hours

An introduction to the Dental Hygiene Process of Care with an emphasis on professionalism, infection control, patient assessment processes and basic instrumental skills. Two hours of lecture per week. Prerequisite: acceptance into the Dental Hygiene program. Co-requisites: DH 103, DH 140, and DH150.

DH 0103 • Fundamentals of Dental Hygiene - Lab

Fall • 2 Credit Hours

Provides clinical application to the Dental Hygiene Process of Care. The primary emphasis is on professionalism, infection control, patient assessment processes and basic instrumentation skills. The student will have an opportunity to practice these techniques on mannequins and student partners in the laboratory setting. Two 3-hour labs per week. Prerequisite: acceptance into the dental hygiene program. Co-requisites: DH 101, DH 140 and DH 150.

DH 0105 • Fundamentals of Instrumentation

Spring • 2 Credit Hours

Provides clinical application of instrumentation theory and skills to provide comprehensive patient care. The student will have an opportunity to practice instrumentation techniques on mannequins and student partners in the laboratory setting. This course will culminate with a patient experience appointment. Six hour lab per week. Prerequisites: DH 101 and DH 103.

DH 0120 • Medical Emergencies & Special Needs Patients

Spring • 1 Credit Hour

Includes knowledge of common physiological conditions and systemic diseases with emphasis on their implication to dental care and management of medical or dental emergencies. The student will develop orderly and confident assessment skills and will be able to recognize and manage medical emergencies. Instruction is provided toward the recognition, prevention and management of medical emergencies which occur in the dental office. One hour lecture per week. Prerequisite: DH101.

DH 0140 • Dental Morphology

Fall • 1 Credit Hour

Detailed study of the morphology of deciduous and permanent teeth in relation to fossal cusps grooves, ridges, roots and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hr. lecture per week. Practical aspects of this course will be covered in DH 103.

DH 0150 • Oral Histology and Embryology

Fall • 3 Credit Hours

Study of the gross and microscopic development of the teeth, supportive structures of the teeth and embryology and anatomy of head and neck region. Two hours lecture, three hours lab per week.

DH 0160 • Dental Radiology

Spring • 2 Credit Hours

Theory and principles of radiation health and safety, quality assurance and infection control protocol for dental radiography. Basic interpretation of radiographic findings and recognition and identification of normal anatomical radiographic landmarks. Methods for exposing, mounting and care of dental radiographs. Two hours of lecture per week. Prerequisites: BIO 240, DH 101, DH 140, and DH 150.

DH 0165 • Dental Radiology Lab

Spring • 1 Credit Hour

Application of the fundamentals of oral radiographic techniques utilizing radiation safety and infection control protocols in addition to basic interpretation of radiographs. Includes practical experience exposing dental radiographs, use of current patient selection criteria, electronic documentation procedures, and ancillary radiographic techniques. In addition, basic interpretation of dental radiographs will include the recognition of technique errors and the identification of normal anatomical radiographic landmarks and common abnormalities. Two hours of lab per week. Prerequisite: BIO 240, DH 101, DH 140, DH 150. Co-requisite: DH 160.

DH 0190 • Clinical Dental Hygiene I

Summer • 4 Credit Hours

Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications and charting the oral cavity. Two 8-hour clinical labs per week, 32 hours of lab will be used for clinical application of DH 210. Prerequisites: DH 102 with minimum grade of 'C' and CPR Certification Course. Co-requisite: DH 280.

DH 0210 • Pain Management

Summer • 1 Credit Hour

This course is designed to prepare the dental hygiene student with the necessary theory to appropriately carry out treatment plans and successfully administer topical anesthesia, local infiltration anesthesia and/or nitrous oxide analgesia to increase patient comfort and control pain when providing dental hygiene services. One hour of lecture per week. Co-requisite: DH 190.

DH 0220 • Dental Materials

Fall • 1 Credit Hour

This lecture course is designed to provide information about the physical and chemical properties of biomaterials and the application and manipulation of these materials used in preventive dentistry. Lecture information will cover identification, recognition and charting of dental restorations. (This will be enhanced by utilizing dental radiographs and intra-oral photographs.) One hour of lecture per week. Co-requisite: DH 225.

DH 0225 • Dental Materials Lab

Fall • 1 Credit Hour

This course provides clinical manipulation and application of the dental materials discussed in DH 220. Students will learn to take alginate impressions, produce plaster study models and manipulate other biomaterials within the scope of preventative and restorative dentistry. Dental charting and identification of restorations will be enhanced in preparation for the clinical setting. Two hours of lab per week. Co-requisite: DH 220.

DH 0280 • Peridontics I

Spring • 2 Credit Hours

Introduces students to the specialty of dentistry that encompasses the prevention, diagnosis and treatment of diseases affecting the gums and supporting structures of the teeth. Two hours lecture per week. Clinical applications to this course will be implemented in DH 105 and DH 190.

DH 0290 • Clinical Dental Hygiene II

Fall • 4 Credit Hours

Continuation of DH 190 with added responsibilities as skills develop. Multi-cultural experience is gained through rotations in extended campus facilities. Two 8 hour clinical labs per week (1 hour per week MAY be used for content and organizational review). Prerequisites: DH 190.

DH 0295 • Seminar in Dental Hygiene I

Fall • 1 Credit Hour

This seminar course is offered in conjunction with DH 290, Dental Hygiene Clinic II and is part of the clinical education continuum. Emphasis will be placed on the laws governing the practice of dentistry and dental hygiene, moral standards, and the ethical standards established by the dental hygiene profession. Students will study current literature and evaluate research. Additionally they will gain the skills necessary for integrating the new information into his/her role as a health care provider. Prerequisites: Successful completion of ALL courses required in the first three semesters of the dental hygiene curriculum.1 lecture hour per week.

DH 0300 • Community Dental Health Education

Fall • 3 Credit Hours

Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups with experience in providing dental health education to the public. This course is designed to increase student knowledge of concepts of community dentistry and dental epidemiology that is used in population-based health care. Students are allowed to critically evaluate biostatistics, scientific literature, dental care delivery and mechanisms for financing dental care. Three hrs. lecture per week and 8 hours of field experience during the semester. Prerequisite: DH 190 with a 'C' or better.

DH 0301 • Community Dental Health Education Practicum

Spring • 1 Credit Hour

Builds upon the basics of DH 300. Students will apply theories, skills of communication, and oral health education to various diverse groups. Through field assessments students will have the opportunity to participate in a variety of community dental health programs and service-learning activities which require application of dental public health principles and concepts. One hour lecture per week and approximately 25-30 hours of field work. Prerequisite: DH 300 with a 'C' or better.

DH 0310 • Nutrition

Spring • 2 Credit Hours

Nutrition and diet as related to dental health, biochemistry of digestion and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hours lecture per week. Requirement: dental hygiene students must take course during second semester of program. Two hour lecture per week.

DH 0320 • Pharmacology

Fall • 2 Credit Hours

Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action and drug interactions. Emphasis on drugs affecting oral health and drugs used in dentistry. Two hours of lecture per week.

DH 0340 • Oral Pathology

Fall • 3 Credit Hours

Includes both general and oral pathology. General pathology includes an overview of basic disease processes, inflammation, immunology and wound healing. Oral pathology emphasizes recognition of oral diseases based on clinical signs and symptoms and radiographic manifestations. Treatment planning principles, based on collection of information using a variety of assessment procedures is included. Three hours of lecture per week. Prerequisite: student must have successfully completed the first three semesters of dental hygiene curriculum.

DH 0350 • Periodontics II

Summer • 2 Credit Hours

A continuation of DH 280 focusing further on the prevention, diagnosis and treatment of diseases affecting the periodontium and supporting structures of the teeth. Clinical application will be implemented in DH 290 and DH 390. Two hours lecture per week. Prerequisites DH 280, DH, 190, and DH 210.

DH 0390 • Clinical Dental Hygiene III

Spring • 4 Credit Hours

Continuation of DH 290 in advanced clinical procedures and discussion of the recognized dental specialties including their relationship to preventive dentistry. Two 8 hour clinical labs per week. Prerequisite: DH 290.

DH 0395 • Senior Seminar in Dental Hygiene

Spring • 1 Credit Hour

This seminar course serves as a means of combining information from all courses in the dental hygiene curriculum and applying content to patient cases and practice management issues. This course is also designed to assist in preparing senior dental hygiene students for the written and clinical examinations required for licensure and entry into the profession. Prerequisites: Successful completion of ALL courses required in the first four semesters of the dental hygiene curriculum. 1 hour lecture per week.

For additional
information contact:
Stacie Scrivner
Health Science Building 136
417-625-9379
scrivner-s@mssu.edu

FIRE ACADEMY

FACULTY:

Offered Fall & Spring

The Fire Academy covers all aspects of firefighting, firefighter safety, rescue, fire prevention, incident management, emergency vehicle familiarization, emergency driving, fire pump operations and more. It is a blend of classroom and hands-on experience including live firefighting exercises. The academy prepares the student to take four separate state certification examinations: Firefighter I, Hazardous Materials Awareness, Firefighter II, and Hazardous Materials Operations.

The firefighting course is International Fire Service Accreditation Congress (IFSAC) approved and will transfer to Kansas, Oklahoma, Arkansas, as well as most other states. Students culminate their education with the opportunity to experience on-site rotations through area fire departments and emergency dispatch centers. The course fee includes books, uniforms, tests, all equipment and materials.

For additional information contact:
Ceason Nance
Health Sciences Building 112
417-625-9328 • Nance-c@mssu.edu

HEALTH SCIENCE



FACULTY:

Peine, Pippin, Schiska, Scrivner, Strait, Roettger
Health Sciences Building 112 • 417-625-9328

Mission

The mission of the Health Science degree is to provide a comprehensive baccalaureate degree that complements an associate allied health major. The degree is designed to promote critical thinking, leadership, communication and information skills, with a commitment to lifelong learning. Our graduates are academically prepared to pursue opportunities for advancement or graduate school.

Goals and Objectives:

Goal 1

To prepare undergraduate students with the knowledge skills and ethics needed to advance the health and quality of life of a diverse public.

Objectives

- Collect, store, retrieve, analyze and interpret health data in order to be prepared to design health needs assessments and establish basic health programs and services. (HS 350, HS 380, HS 390, PSY 320, GB 321, MATH 310, SOC 405)
- Describe the U.S. health profile, including key indicators, determinates, disparities, access to health services, historical and contemporary trends and implications. (HS 390, HS 370, HS 380)
- Identify and describe the evolution of the U.S. health services system and the major settings, providers and funding for the delivery of public and private preventive and treatment services. (HS 390)
- Recognize the importance of honoring diversity, acting with civility, practicing ethically and promoting mutual respect when working with diverse individuals, groups and communities. (HS 390, HS 312, HS 305)
- Describe the business and financial implications in the cost of health care. (HS 390)
- Identify physical, chemical or biological hazards that adversely impact human health. (HS 380, HS 370)

Goal 2

To prepare students with the fundamental academic skills to be effective communicators, critical thinkers and leaders.

Objectives

- Write grammatically and stylistically correct papers that reflect a review of relevant literature and /or integrate health related perspectives and experiences. (HS 305, HS 350, HS 402)
- Develop the ability to utilize qualitative and quantitative health care information to arrive at appropriate decisions. (PSY 320, HS 350, HS 380, HS 390)
- Integrate clinical practice with health of the community and develop a strong foundation in communication in order to effectively disseminate diverse health issues to community leaders (HS 390, HS 305), health practitioners, politicians and the public at large. (Allied Health Science courses, HS 390, HS 380, HS 370)
- Understand the role of research in the dissemination of information in health promotion, disease prevention and health sciences. (HS 390, HS 380, HS 370, PSY 320 or MATH 310, Allied Health Courses)
- To understand and communicate principles of sound leadership (HS 350, MGMT 354, MGMT 352, MRKT 321)

Goal 3

Develop lifelong learning skills necessary to be creative and effective citizens, professionals, and leaders in an ever-changing world.

Objectives

- Write grammatically and stylistically correct papers that reflect a review of relevant literature and/or integrate health related perspectives and experiences. (HS 305 and HS 350)
- Organize and participate in community events to improve the overall health of the community. (Allied Health courses, HS 499)

Health is widely acknowledged as a major growth industry, with employment opportunities forecast to continue their strong upward trends of recent years. Opportunities for advancement will be greatest for people with a baccalaureate degree.

Associate degree-prepared health profession majors and clinicians in the field who desire a baccalaureate degree have limited options to fulfill their educational goals. Graduates and clinicians from the health professions continually inquire about baccalaureate degree options to meet their busy professional lives. The Health Science degree is a specified course of study that would enhance a clinician's expertise and opportunities for advancement. The design of the Health Science curriculum is to prepare students for career paths in the health sector, including administration, management and health promoters in educational or clinical settings in a school, medical sales, pharmaceutical marketing and distribution, community or public health environments. Graduates from the Bachelor of Health Science program may qualify to enter graduate programs or professional health science areas such as physician assistant, physical therapy and public health.

The Bachelor of Science degree in Health Sciences is granted to students who complete the required program of study. These requirements include the basic General Education Requirements for all Bachelor of Science degree programs, required science and other supportive courses in the health science area. The degree is designed with two options:

- Emphasis One: Allows students who complete an Associate in an allied health field to select a degree that will strengthen and utilize the associate curriculum within the Health Science degree. There are four specific options in this emphasis area. Three are designed for graduates who complete a degree in Dental Hygiene, Radiology or Respiratory with the fourth area being for students who transfer with an Associate Allied Health Degree. Students who completed one of the aforementioned allied health programs may qualify for earned retro-credit.
- Emphasis Two: Is available for students who do not have a health profession background but would like to pursue a Bachelor of Health Science degree. As a major in BS Health Science, students will undertake a course of study that blends three areas of emphasis that is comprised not only of the Health Science (18 hours) General Education Requirements but includes courses in Business (21 hours) and the Life/Health Sciences (21-27 hours).

The courses in the curriculum are offered on campus as well as web based. The demand for this degree will be great among current students, past graduates and clinicians currently working in the health industry.

Students must pass all HS core and/or all affiliated dual prefix courses with a 'C' or higher to graduate.

Retro Credit Program

Many Allied Health programs grant Associate degrees with 80+ credit hours. These students often desire to complete a Bachelor's degree to complement their professional career. Retro Credit is available for transfer students who graduated with an Associate degree in Dental Hygiene, Respiratory Care, Radiology, Nursing or a Paramedic certificate. The Bachelor of Health Science or Nursing degrees offers these students the ability to apply for Retro Credit to assist in meeting the Bachelor's degree requirement. In order to qualify for Retro Credit Health Science and Nursing majors must have graduated from an accredited program in dental hygiene, radiology, respiratory care, nursing, or paramedic, passed a national written board examination and currently be licensed to practice in at least one state.

The Retro Credit program will benefit students by transcribing up to 33 credit hours of upper division hours depending on the discipline in the semester the student will graduate. A fee is assessed based on the number of credit hours transcribed. This equates into a cost and time savings for students completing a Bachelor's degree. This program not only benefits transfer students but Missouri Southern alumni who graduated prior to upper division courses being a part of their curriculum.

A Bachelor's prepared healthcare professional is highly marketable for management/supervisory positions, state and federal sector employment, medical/dental sales, pharmaceutical representative and the ability to teach in the field. Therefore, graduates will have more career options available to them. Courses for these programs are available online so practicing clinicians can complete their Bachelor's degree at their pace from anywhere in the world.

Bachelor of Science in Health Science ..... Major Code HS01
Dental Hygiene Option

General Education Requirements (p. 39) 47*		**32**
Health Sciences Core		**18**
HS 305	Intercultural Communication*	3
HS 350	Fundamentals of Organizational Management	3
STATS	MATH 310, GB 321, SOC 405 or PSY 320	3
HS 370	Environmental Health and Safety(3) OR	
HS 380	Epidemiology	3
HS 390	Health Care Systems	3
Choose One:		3
HS 312	Biomedical Ethics (3)	
HS 340	Theory & Practice Teaching Health Science (3)	
HS 402	Evidence Based Practice (3)	
Dental Hygiene Requirements		**74**
BIO 121	Anatomy and Physiology I *	4
BIO 221	Anatomy and Physiology II	5
BIO 231	General & Medical Microbiology	5
BIO 240	Radiation Biology	3
CHEM 120	Chemistry Allied Health Science*	5
PSY 100	General Psychology*	3
SOC 110	Introduction to Sociology *	3
DH 101	Fundamentals of Dental Hygiene	2
DH 103	Fundamentals of Dental Hygiene I-Lab	2
DH 105	Fundamentals of Instrumentation	2
DH 120	Medical Emergencies	1
DH 140	Dental Morphology	1
DH 150	Oral Histology and Embryology	3
DH 160	Dental Radiology Lecture	2
DH 165	Dental Radiology Lab	1
DH 190	Clinical Dental Hygiene I	4
DH 210	Pain Management	1
DH 220	Dental Materials	1
DH 225	Dental Materials Lab	1
DH 280	Periodontics I	2
DH 290	Clinical Dental Hygiene II	4
DH 295	Seminar in Dental Hygiene I	1
DH 300	Community Dental Health Education	3
DH 301	Community Health Practicum	1
DH 310	Nutrition	2
DH 320	Pharmacology	2
DH 340	Oral Pathology	3
DH 350	Periodontics II	2
DH 390	Clinical Dental Hygiene III	4
DH 395	Senior Seminar	1
Electives	Upper Division**	4
Total Hours		**124-128**

*Required courses satisfy major requirements and General Education Requirements. Both Sociology and Psychology are required. One course is built into the General Education Requirements and the other should be taken as a dental hygiene requirement.

**Four hours of upper division electives needed after completion of the Dental Hygiene and Health Science Core. ENG 305 recommended to satisfy GER Area F2 to help meet upper division requirements.

Students who transfer with an Associate's Degree in Dental Hygiene may qualify for upper division retro-credit hours. See page 190 for details.

Bachelor of Science in Health Science ..... Major Code HS06
Paramedic Option

General Education Requirements (p. 39) 47*		**32**
Health Sciences Core		**18**
HS 305	Intercultural Communication*	3
HS 350	Fundamentals of Organizational Management	3
STATS	MATH 310, GB 321, SOC 405 or PSY 320	3
HS 370	Environmental Health and Safety(3) OR	
HS 380	Epidemiology	3
HS 390	Health Care Systems	3
Choose One:		3
HS 312	Biomedical Ethics (3)	
HS 340	Theory & Practice Teaching Health Science (3)	
HS 402	Evidence Based Practice (3)	
Paramedic Certificate Requirements		47
PARA 101	Escaping Violent Encounters	1
PARA 220	Emergency Medical Technician	9
PARA 251	EMS Foundations	1
PARA 252	EMS Pharmacology	2
PARA 253	EMS Pathophysiology	2
PARA 254	Pulmonology	2
PARA 255	Paramedic Skills	3
PARA 256	Pre-Hospital Cardiology	4
PARA 272	Traumatology	4
PARA 273	Emergency Medical Care	3
PARA 275	Advanced Paramedic Skills	3
PARA 292	EMS Operations	1
PARA 293	Special Patient Populations	1
PARA 370	Clinical Practicum	4
PARA 390	Field Internship	6
PARA 395	EMS Seminar	1
Additional Requirements		24
BIO 121	Human Anatomy and Physiology I*	4
CHEM 120	Chemistry for Allied Health Sciences*	5
PSY 100	General Psychology*	3
HS 340	Theory & Practice Teaching Health Science	3
PARA 401	EMS Systems	3
PARA 402	EMS Leadership	3
PARA 411	EMS Research	3
Electives	Upper Division**	3
Total Hours		**124**

*Required course satisfies major requirements and General Education Requirements.



Bachelor of Science in Health Science ..... Major Code HS02
Radiologic Technology Option

General Education Requirements (p. 39) 47*		**37**
Health Sciences Core		**18**
HS 305	Intercultural Communication*	3
HS 350	Fundamentals of Organizational Management	3
STATS	MATH 310, GB 321, SOC 405 or PSY 320	3
HS 370	Environmental Health and Safety(3)	
	OR	
HS 380	Epidemiology	3
HS 390	Health Care Systems	3
Choose One:		3
HS 312	Biomedical Ethics (3)	
HS 340	Theory & Practice Teaching Health Science (3)	
HS 402	Evidence Based Practice (3)	
Radiology Requirements		**64**
BIO 121	Anatomy and Physiology I*	4
BIO 221	Anatomy and Physiology II	5
BIO 240	Radiation Biology	3
PSY 100	General Psychology*	3
RAD 100	Basic Concepts in Radiology	3
RAD 101	Introduction to Radiology	3
RAD 110	Clinical Training I	2
RAD 111	Medical Terminology	3
RAD 132	Principles of Radiographic Exposure	4
RAD 142	Radiographic Positioning I	4
RAD 170	Radiologic Physics	3
RAD 210	Clinical Training II	2
RAD 241	Radiographic Positioning II	3
RAD 300	Clinical Training III	2
RAD 301	Image Critique and Quality Management	2
RAD 320	Radiographic Positioning III	3
RAD 340	Clinical Training IV	3
RAD 350	Patient Care & Radiation Protection	3
RAD 360	Clinical Training V	3
RAD 370	Advanced Topics in Radiology	3
RAD 399	Advanced Radiology	3
Electives		5
Total Hours		**124**

*Required course satisfies major requirements and General Education Requirements. Student will need to select additional electives to meet the 124 credit hours for a bachelor degree.
Students who transfer with an Associate's Degree in Radiology may qualify for upper division retro-credit hours. See page 194 for details.

Bachelor of Science in Health Science ..... Major Code HS03
Respiratory Therapy Option

General Education Requirements (p. 39) 46-47*		**39-40**
Health Sciences Core		**18**
HS 305	Intercultural Communication*	3
HS 350	Fundamentals of Organizational Management	3
STATS	MATH 310, GB 321, SOC 405 or PSY 320	3
HS 370	Environmental Health and Safety(3)	
	OR	
HS 380	Epidemiology	3
HS 390	Health Care Systems	3
Choose One:		3
HS 312	Biomedical Ethics (3)	
HS 340	Theory & Practice Teaching Health Science (3)	
HS 402	Evidence Based Practice (3)	
Respiratory Requirements		61
BIO 121	Anatomy and Physiology I*	4
RESP 101	Respiratory Therapy Foundations	3
RESP 102	Cardiopulmonary Sciences	3
RESP 105	Cardiopulmonary Anatomy and Physiology	3
RESP 107	Respiratory Therapy Procedures	3
RESP 108	Respiratory Procedures Lab	3
RESP 120	Cardiopulmonary Pathology	3
RESP 125	Respiratory Therapy Clinical I	3
RESP 129	Cardiopulmonary Pharmacology	3
RESP 222	Introduction to Mechanical Vent	4
RESP 226	Cardiopulmonary Diagnostic	3
RESP 239	Respiratory Therapy Clinical II	5
RESP 307	Cardiopulmonary Assessment	6
RESP 311	Neonatal/Pediatric Care	3
RESP 312	Mechanical Ventilation	3
RESP 313	Alternate Site Respiratory Therapy	3
RESP 340	Advanced Level Clinical Practice	5
RESP 341	Research, Issues, Methods	1
Electives**		5-6
Total Hours		**124**

*Required courses satisfy major requirements and General Education Requirements.
**HS 499 Independent Study upper division elective(s) available after completion of the Respiratory and Health Science Core.
Students who transfer with an Associate's Degree in Respiratory Care may qualify for upper division retro-credit hours. See page 194 for details.

FOR MORE INFORMATION ON HEALTH SCIENCES, OR ANY OF THE DEGREES/COURSES LISTED ABOVE, CONTACT:

Stacie Scrivner
Chair, Dental Hygiene
Health Sciences Building 136
417-625-9379 • scrivner-s@mssu.edu

Brett Peine
Chair, Emergency Medical Services
Health Sciences Building 325
417-625-3020 • peine-b@mssu.edu

Dr. Tia Strait
Health Sciences Advisor
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417-625-3155 • strait-t@mssu.edu

OR CHECK OUT MSSU.EDU/ACADEMICS/HEALTH-SCIENCES/HEALTH-SCIENCES

Bachelor of Science in Health Science ..... Major Code HS05
Business / Life-Health Science Option

General Education Requirements (p. 39) 46-47*		**35**
Health Sciences Core		**18**
HS 305	Intercultural Communication*	3
HS 350	Fundamentals of Organizational Management	3
STATS	MATH 310, GB 321, SOC 405 or PSY 320	3
HS 370	Environmental Health and Safety(3)	
	OR	
HS 380	Epidemiology	3
HS 390	Health Care Systems	3
Choose One:		3
HS 312	Biomedical Ethics (3)	
HS 340	Theory & Practice Teaching Health Science (3)	
HS 402	Evidence Based Practice (3)	
Health Science Business Emphasis Requirements		
Minor in General Business (p. 154) 21**		18
Life/Health Science Requirements		20-23
BIO 121	Human Anatomy and Physiology I*	4
	AND	
BIO 221	Human Anatomy and Physiology II	5
	OR	
BIO 101	General Biology*	4
	AND	
BIO 201	Human Anatomy	4
	AND	
BIO 301	Human Physiology	4
KINE 385	Nutrition for Human Development	3
RAD 111	Medical Terminology	3
CHEM 120	Chemistry for Allied Health*	5
Electives		30-33
Total Hours		**124**

*Required course satisfies major requirements and General Education Requirements. For Area E-2 of Core take ECON 201.
**HS 350 Fundamentals of Organizational Management included in Health Science Core.
9-13 hours of Upper Division electives required after completing Core listed above. ENG 305 recommended to satisfy General Education Requirement Area F2 to help meet upper division requirements.

FOR MORE INFORMATION ON HEALTH SCIENCES CHECK OUT MSSU.EDU/HEALTH-SCIENCES OR CONTACT:

Alan Schiska
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Health Sciences Building 325
417-625-3118 • schiska-@mssu.edu

Glenda Pippin
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Dr. Vickie Roettger
Chair, Biology & Environmental Health
Reynolds Annex 105
417-625-3176 • roettger-v@mssu.edu

COURSE DESCRIPTIONS: HEALTH SCIENCE

HS 0101 • Introduction to Health Professions
Fall & Spring • 1 Credit Hour

An introductory course to inform students contemplating a career in health care on the issues affecting the delivery of healthcare, the roles of various members of the health care system, and the educational and licensure requirements. One hour lecture.

HS 0111 • Medical Terminology
Fall, Spring & Summer • 3 Credit Hours

The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical diseases and surgical terms is included. This particular course is recommended for pre-radiology students. Three hours lecture per week. Cross-listed as RAD 111.

HS 0210 • Success in Health Profession Programs
Spring & Summer • 1 Credit Hour

This is an introductory course to assist students in preparing to be successful in one of the health profession majors. The course will help students develop their critical thinking, problem solving and the test taking skills necessary to succeed in these programs. Students learn to assess their own character and skills in preparation for entering a health career program.

HS 0305 • Intercultural Communication
Fall, Spring & Summer • 3 Credit Hours

Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: COMM 100. Cross-listed as COMM 305.

HS 0312 • Biomedical Ethics
Fall, Spring & Summer • 3 Credit Hours

A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources and medical experimentation. Prerequisites: ENG 101 and 102 or ENG 111. Cross-listed as PHIL 312.

HS 0340 • Theory & Practice Teaching Health Science
Demand • 3 Credit Hours

Provide the methodological basis for making pedagogical decisions concerning lesson design and presentation. Microteaching provides an opportunity to practice methods and techniques for teaching. Short teaching episodes are prepared, taught and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline.

HS 0350 • Fundamentals of Organizational Management
Fall, Spring & Summer • 3 Credit Hours

A study of the fundamentals and functions of organizational management including planning, decision making, organization, leading, and controlling from individual and group behavior perspectives. Prerequisites: Junior standing and ENG 101/102 or equivalent. Cross-listed as MGMT 350.

COURSE DESCRIPTIONS: HEALTH SCIENCE (CONTINUED)

HS 0370 • Environmental Health and Safety

Fall, Spring & Summer • 3 Credit Hours

A survey of environmental health and safety issues, problems and protection measures, including public health disease prevention, injury prevention and environmental health hazard mitigation. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross-listed as BIO 370 and EH 370.

HS 0380 • Epidemiology

Fall & Spring • 3 Credit Hours

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease outbreaks. Three hours of lecture per week. Prerequisites: BIO 101 or 105 or 110 or 121. Cross-listed as BIO 380 and EH 380.

HS 0390 • Health Care Systems

Fall, Spring & Summer • 3 Credit Hours

This course incorporates a discussion of the three major health care systems that have evolved in the United States, the impact of diseases on systems development, how financing has influenced the structure and effect on access to care. Three lecture hours a week. Prerequisites: ECON 101, PSC 120, PSY 100 or SOC 110.

HS 0402 • Evidence Based Practice

Fall, Spring & Summer • 3 Credit Hours

This course focuses on preparing students to engage in evidence-based practice. Students will learn to study current literature and evaluate research. Additionally students will gain the skills necessary for integrating new information into his/her role as a health care provider. Three hour lecture per week. Prerequisites: GB 321, Math 310, PSY 320, or SOC 405.

HS 0499 • Independent Study

Demand • 1-3 Credit Hours

Individually directed study for advanced majors in the areas of health science. The advisor with approval of the department head structures the independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The advisor, the department head and the dean of the school must approve registration in the course.



MEDICAL LABORATORY SCIENCE

FACULTY:

Archer-Chair, Garoutte & Summerfield
Reynolds Hall 210 • 417-625-9766

The Bachelor of Science degree with a Major in Medical Laboratory Science is sometimes referred to as three-plus-one, meaning that the student takes a three-year pre-clinical program at MSSU, followed by one year (32 credits) of clinical work at an accredited hospital school. The pre-clinical studies include the General Education Curriculum and science and other support courses required for all Bachelor of Science degree programs. The Medical Laboratory Science program advisers are in the Department of Chemical and Physical Sciences. The completion of a Bachelor's degree is required before an individual is eligible to take the certifying examination.

Missouri Southern has affiliation agreements with the following clinical schools:
- Mercy Hospital – Joplin School of Medical Laboratory Science
- CoxHealth School of Medical Technology, Springfield, MO
- Baptist Health School of Medical Laboratory Science, Little Rock, Arkansas
- North Kansas City Hospital School of Clinical Laboratory Science

If a student wishes to attend an accredited school of medical laboratory science with which the University has no formal agreement, the Provost/Vice President for Academic Affairs can negotiate an agreement for the individual student.

Students should be aware that enrollment in professional schools is limited. Each of the professional schools has its own admission criteria and selects those students to be admitted to a class from the applicants for that class. In general, this selection is based on the academic record and demonstrated aptitude for the medical field. Students are responsible for filing their own application for admission with the professional schools. Application should be made to the professional school during the early fall of the junior year or approximately 10 months prior to the expected entrance date. It is strongly suggested that the student contact the Director of the program at the desired hospital early in their sophomore year to determine the exact application procedure.

A student may enroll in the professional courses either at the hospital-based school or through Missouri Southern, depending on the policies of the hospital-based school. Students enrolled at the hospital-based school are not considered members of the Missouri Southern student body, since the hospital-based school in such cases is considered as any other accredited institution of higher education. A student enrolling through Missouri Southern is considered a member of the University student body and is therefore eligible for benefits offered all students. The weekly time requirements for the professional medical technology courses (400 level) listed are based on the minimum requirements for a course meeting for a normal academic term for a minimum of 16 weeks. Actual scheduling of classes may vary according to custom of the individual professional school to meet these minimum total hour requirements.

Students in this major whose career goals change or are unsuccessful in gaining admission to a professional training program are ideally suited to complete another science major with virtually no loss of academic credits.

Bachelor of Science with a Major in Medical Laboratory Science

Major Codes.....ML00, ML01

General Education Requirements (p. 39) 46-47*		**35**
Biology Requirements		**25-27**
BIO 121	Human Anatomy and Physiology I**	4
BIO 221	Human Anatomy and Physiology II*	5
BIO 231	General and Medical Microbiology*	5
BIO 305	Genetics*	4
BIO 456	Immunology*	4
And one of the following three courses:		3-5
BIO 362	Virology* (3)	
BIO 442	Pathogenic Bacteriology* (5)	
BIO 308	Pathophysiology* (4)	
Chemistry Requirements		**25**
CHEM 151	General Chemistry I*	5
CHEM 152	General Chemistry II*	5
CHEM 201	Analytical Chemistry I*	5
CHEM 301	Organic Chemistry I*	5
CHEM 350	Biochemistry*	3
CHEM 355	Biochemical Techniques	2
Other Requirements		**12**
PHYS 151	Elementary College Physics I*	5
MATH 140	Algebra and Trigonometry	5
BIO 303	Computer Applications in Biology	2
400 Level	Medical Lab Science Courses (at Hospital)	32
Total Hours		**129-131**

*See course descriptions for prerequisites.

**Required biology, physics and mathematics courses simultaneously satisfy General Education Requirements and major requirements.

For additional
information contact:

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OR CHECK OUT MSSU.EDU/ACADEMICS/HEALTH-SCIENCES/MEDICAL-TECHNOLOGY

COURSE DESCRIPTIONS: MEDICAL LABORATORY SCIENCE

MT 0401 • Clinical Chemistry

Spring • 10 Credit Hours

Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation and special procedures. Five hours lecture, twenty hours clinic/lab per week.

MT 0402 • Clinical Microscopy

Spring • 1 Credit Hour

Principles and techniques of the physical, chemical and microscopic examination of urine and other excrete as related to disease processes. One hour lecture, clinic by arrangement.

MT 0403 • Clinical Hematology

Spring • 6 Credit Hours

The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders. Three hours lecture, twelve hours clinic/lab per week.

MT 0404 • Clinical Serology - Immunology

Spring • 3 Credit Hours

The science of immunity including antibody development, principles of antigen-antibody interactions and techniques of serological testing for various disease states. Three hours lecture, twelve hours clinic/lab per week.

MT 0405 • Clinical Microbiology

Spring • 7 Credit Hours

Sterile technique, methods of handling and inoculating specimens containing pathogenic micro-organisms, isolation and identification of pathogenic micro-organisms, laboratory tests in chemotherapy and diagnostic bacteriology, mycology and parasitology. Four hours lecture, twelve hours clinic/lab per week.

MT 0406 • Clinical Immunohematology - Blood Bank

Spring • 3 Credit Hours

Blood group systems and the immune response. Methods of cross matching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hour lecture, eight hours clinic/lab per week.

MT 0407 • Special Topics in Medical Technology

Spring • 2 Credit Hours

Lecture and/or clinical practice in the areas of in-service education, management and supervision, research and development and principles and techniques of the instructional process. Lecture and labs to be arranged.

NURSING



FACULTY:

TBD - Chair, Blanton, Corcoran, Dawson, Eller, Fauss, Hempsmyer, Hill, Jackson, Linder, Madsen, Ogle, & Williams

Health Sciences Building 243 • 417-625-9322

Mission

Provide contemporary nursing education at the undergraduate and graduate levels. Improve healthcare in culturally diverse local and global communities through excellence in nursing education, practice and service.

Nursing Program

The Bachelor of Science degree Nursing Program provides intensive preparation for the first-time entering student, baccalaureate degree graduate, licensed practical nurse seeking licensure as a registered nurse and for the registered nurse pursuing baccalaureate education in the nursing discipline.

The program is based on the Betty Neuman Systems Model, emphasizing Person, Health, Environment and Nursing. General Education Requirements and required support courses augment nursing courses in preparing a professional nurse who is able to function at the client's side in a diverse health-care delivery system. The program has full approval by the Missouri State Board of Nursing, PO Box 656, Jefferson City MO, (573) 751-0681.

Application for Registered Nurse Licensure in Missouri

According to Section 335.066 Missouri Nursing Practice Act (1-16), granting of the nursing baccalaureate degree does not guarantee eligibility to sit for the licensure examination or guarantee issuance of a license to practice nursing in the state of Missouri. For eligibility requirements to apply, write the National Council Licensure Examination for Registered Nurses (NCLEX-RN) as specified in section 335.046-1 of the Missouri Nursing Practice Act. In addition, the applicant should: 1) be of good moral character; 2) have completed high school or equivalent; 3) have successfully completed basic professional curriculum in accredited school of nursing. Section 335.066, Missouri Nursing Practice Act (1-16), provides rules for denial, revocation or suspension of license and grounds for civil immunity. The Board may refuse to issue any certificate of registration or authority and permit or license stated in subsection two of this section. Detailed information may be obtained through the Missouri State Board of Nursing Website – www.pr.mo.gov/nursing.asp

Completion of the nurse education program does not guarantee eligibility to take the licensure examination.

The program is nationally accredited by The Accreditiation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE Suite 850, Atlanta, GA 30326, Phone 404-975-5000 and Fax 404-975-5020.

Department of Nursing Program Objectives

- Offer a nationally accredited Baccalaureate Degree in Nursing.
- Enhance higher order thinking, communication, research and therapeutic interventions in the practice of professional nursing.
- Promote lifelong learning activities for personal and professional development.
- Furnish a foundation for management and leadership roles in nursing.
- Prepare graduates to use Standards of Clinical Nursing Practice in a variety of settings.
- Provide a foundation for graduate education studies in nursing.
- Promote empathy for the values and perspectives of diverse cultures including an awareness of international and multicultural influences in nursing.

Graduate Outcomes

Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.
- Provide self-directed contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary and tertiary prevention.
- Manage health care delivery through coordination, collaboration and delegation.
- Integrate communication strategies in interacting with the person.
- Apply nursing and health related research to nursing practice.

Admission Criteria

1. Continuous enrollment, readmission or admission to the University as a transfer student.
2. Cumulative GPA of 2.5 minimum based upon completion of freshman and sophomore courses listed in the suggested order of study.
3. Completion of the following required support courses with a grade of 'C' or higher:
   BIO 121 Anatomy and Physiology I
   BIO 221 Anatomy and Physiology II
   BIO 231 General and Medical Microbiology
   CHEM 120 Chemistry for Allied Health Sciences
   BIO 308 Pathophysiology
   KINE 385 Nutrition for Human Development
4. All courses from the Suggested Order of Study must be completed prior to entering the nursing major at the junior level.
5. Criminal Record check
6. State of Missouri Caregiver Background Screening
7. Drug/Alcohol Screen
8. Physical examination with health requirements documented
9. Non-refundable application fee

RSMO 660.317 prohibits a hospital from knowingly allowing those guilty of Class A and B felonies as defined by state law to give care to clients in the agency. Missouri Southern State University students are assigned to do clinical practice in cooperating hospitals and the Department is in agreement that students must meet these requirements. Results of a personal criminal history record check and caregiver background screening must be on file prior to fall semester of the Junior Year of nursing courses. Applicants who have been found guilty and/or listed on background check lists in the Family Care Safety Registry pursuant to sections 210.900 to 210.937, RSMo of Class A and B felonies will be ineligible to enter the program.

ADMISSION TO THE PROGRAM IS COMPETITIVE.

Applicants must demonstrate evidence of personal characteristics and integrity that indicate high probability of successful degree completion and must meet application criteria necessary to complete the National Council Licensure Examination (NCLEX-RN).

Application, readmission and transfer forms and criteria are available from the Department of Nursing.

Deadline for Department of Nursing application and Missouri Southern State University transcript is January 31.

The applicant is responsible for verifying that the Missouri Southern State University transcript contains all transcripted courses from other colleges and universities prior to the application deadline and submitting the Missouri Southern State University transcript to the Department of Nursing by the stated deadline.

Students who meet all admission criteria and have completed the Suggested Order of Study for the Bachelor of Science Degree in Nursing at Missouri Southern State University will be given preference in admission.

Progression policies: Refer to the Department of Nursing Student Handbook for progression policies. The Department of Nursing Student Handbook can be accessed at www.mssu.edu/academics/health-sciences/nursing.

Freshman Option: Direct Provisional Admission (DPA)
Students entering as first time freshmen to Missouri Southern State University will have the opportunity to receive direct provisional admission to the nursing program based upon the following criteria:

1. Meet all requirements for regular admission to Missouri Southern State University as a first-time freshman.
2. ACT composite score of 25 or higher.
3. Maintain a 3.0 GPA in required courses each semester with a grade of 'C' or above (refer to catalog for required courses).

4. Meet all other requirements for admission to nursing major prior to matriculation.

Admission of Baccalaureate Degree Applicants

Applicants holding a baccalaureate degree from a regionally accredited institution are considered by the University as having completed the General Education Requirements. Degreed nursing applicants must meet all stated admission requirements.

Required support courses for admission into the nursing major including natural area physical sciences courses requiring a grade of 'C' or higher are as follows:

BIO 121	Anatomy and Physiology I	4
BIO 221	Anatomy and Physiology II	5
BIO 231	General and Medical Microbiology	5
CHEM 120	Chemistry for Allied Health Sciences	5
BIO 308	Pathophysiology	4
KINE 385	Nutrition for Human Development	3
Total		26

Admission of Registered Nurses (RNs)

Registered nurses are admitted to the University as graduates of Southern's Associate Degree Nursing Program or as transfer students. In addition to the program admission requirements, registered nurses must also meet the following requirements:

1. Graduation from a state-approved and Accredition Commission for Education in Nursing (ACEN) accredited associate degree or diploma nursing program. Registered nurse applicants from non-ACEN accredited nursing programs must complete NURS 301: Transitions in Nursing and attain a GPA of 3.0 in the first semester of coursework in order to be granted regular admission status.
2. Current registered nurse licensure or eligibility in the state of Missouri.
3. Upon successful completion of NURS 301: Transitions in Nursing, 3 credit hours, validation of 31 credit hours of nursing knowledge will be transcribed for credit as follows:

NURS 310	Health Assessment and Technologies	5 cr
NURS 330	Adult Nursing I	3 cr
NURS 335	Adult Nursing II	4 cr
NURS 340	Nursing Care of the Childbearing Family	4 cr
NURS 360	Mental Health Nursing	4 cr
NURS 380	Nursing Care of the Child and Family	5 cr
NURS 400	Complex Nursing	6 cr

An assessment fee per credit hour will be charged to the student's account.

4. The RN has an option to challenge NURS 305 Pharmacology in Nursing (3 credit hours) and NURS 370 Gerontologic Nursing (3 credit hours) through departmental examination. An assessment fee per departmental examination must be paid in advance of the examination.

Admission of Licensed Practical Nurses (LPNs)

Licensed Practical Nurses (LPNs) are admitted to the University as first-time (generic) or transfer students. LPN applicants must meet all University and program requirements for admission. The LPN has the option to challenge 11 credit hours for NURS 305 Pharmacology in Nursing, NURS 310 Health Assessment and Technologies, and NURS 370 Gerontologic Nursing through departmental examination. An assessment fee per departmental examination must be paid in advance of the examination.

Transfer Policy for Students from a Baccalaureate Degree Nursing Program:

1. All program admission criteria must be met.
2. A letter of reference is required from the Dean or Director of the nursing program previously attended stating the student left in good standing and is eligible for readmission.
3. Transfer courses will be evaluated for course equivalency at Missouri Southern on an individual basis.
4. Nursing courses with a clinical component must be fully met.
5. Transfer is based on space availability.

Special Fees

In addition to all established student fees special lab fees are assessed for:

- Fall semester junior year $685.00
- Spring semester junior year $800.00
- Fall semester senior year $1060.00
- Spring semester senior year $490.00

Other costs incurred during the program include, but are not limited to: required nurse bag equipped for courses, uniforms, pins, standardized examination fees, graduation fees, licensing examination fees, hepatitis series, current immunizations, etc. An estimated cost sheet for nursing students is available in the Department of Nursing. Fees are subject to change.

Bachelor of Science Degree - Nursing

Nursing Applicant - NU01 . . . . . Major Code - NU00

General Education Requirements (p. 39) 46-47*		**32**
Nursing Major Requirements		94-97
(See Course Descriptions for prerequisites)		
BIO 121	Anatomy and Physiology I*	4
CHEM 120	Chemistry for Allied Health Sciences* (5)	
	OR	
CHEM 151	General Chemistry I*	5
PSY 100	General Psychology*	3
ECON 101, ECON 201 or ECON 202*		3
Pre-Nursing Requirements		
BIO 221	Anatomy and Physiology II	5
BIO 231	General and Medical Microbiology	5
BIO 308	Pathophysiology	4
KINE 385	Nutrition for Human Development (3)	
	OR	
DH 310	Nutrition	3
CIS 105	Introduction to Microcomputer Use (3)	
	OR	
MGMT 237	Using information Systems (3)	
	OR	
CIS 305	Microcomputer Applications	3
Nursing Major Requirements		
NURS 301	Transitions in Nursing (RNs only)+	3
NURS 305	Pharmacology in Nursing^#	3
NURS 310	Health Assessment and Technologies^+	5
NURS 330	Adult Nursing I+	3
NURS 335	Adult Nursing II+	4
NURS 340	Nursing Care of the Childbearing Family+	4
NURS 360	Mental Health Nursing+	4
NURS 370	Gerontologic Nursing^#	3
NURS 380	Nursing Care of the Child and Family+	5
NURS 400	Complex Nursing+	6
NURS 420	Nursing Ethics	3
NURS 430	Advanced Health Assessment.	3
PSY 320	Applied Statistics (3)	
	OR	
MATH 310	Elementary Statistics (3)	
	OR	
GB 321	Business Statistics (3)	
	OR	
SOC 405	Social Science Statistics	3
NURS 450	Community Health Nursing	5
NURS 460	Nursing Research	3
NURS 470	Nursing Management and Leadership	5
Total Hours		**126-129**

*Satisfies the General Education Requirements. MATH 130 is required for General Education Requirement Area C.
+RNs only. Complete NURS 301 Transitions in Nursing with a grade of "C" and receive credit for NURS 310, 330, 335, 340, 360, 380 and 400.
^Credit by department examination for Licensed Practical Nurses (fee assessed).
#Credit by department examination for Registered Nurses (fee assessed).

Minors

Minors in supportive disciplines are available to nursing students. See requirements for the following suggested (but not exclusive) minors: Informatics, Business, Spanish, etc.

Americans with Disabilities Act Implications

Students are required to have completed a physical examination/health verification after conditional admission to the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

COURSE DESCRIPTIONS: *NURSING*

NURS 0301 • Transitions in Nursing

Fall • 3 Credit Hours

This course will assist the Registered Nurse student to examine the role of a baccalaureate degree prepared nurse in a changing health-care environment. The student will have the opportunity to integrate current nursing practice, philosophy, concepts and theories into his/her professional practice. Offered online only. Prerequisite: Admission to the nursing program and registered nurse licensure.

NURS 0305 • Pharmacology in Nursing

Fall • 3 Credit Hours

This course is designed to introduce the nursing student to essentials of basic and clinical pharmacology in preparation for application with patient populations in a clinical setting. The student will focus on the commonalities of drug classifications related to the physiologic systems of clients during the life span. Concurrent and subsequent courses will provide opportunity for clinical application of principles of pharmacology taught in this course. Prerequisite: Admission to the nursing program and concurrent with NURS 310, NURS 330 and NURS 335 (Concurrent enrollment in NURS 301 is required for RNs).

NURS 0310 • Health Assessment and Technologies

Fall • 5 Credit Hours

Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hours lecture and six hours lab per week. Prerequisite: Admission to the nursing program and concurrent with NURS 305, NURS 330 and NURS 335.

NURS 0330 • Adult Nursing I

Fall • 3 Credit Hours

This course focuses on beginning concepts in nursing practice and variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four (4) hours lecture per week for the first half of term of the fall semester concurrent with nine (9) hours clinical per week for the first half of term of the fall semester. Prerequisite: Admission to the nursing program and concurrent with NURS 305 and NURS 310. This course precedes NURS 335 that is offered in the second half of term of the fall semester.

NURS 0335 • Adult Nursing II

Fall • 4 Credit Hours

NURS 335 builds on the concepts of NURS 330 and expands on nursing practice regarding variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. This course is taught in the second half of term of the fall semester with four (4) hours lecture per week, and nine (9) hours clinical per week for the second half of term of the fall semester. Prerequisite: Admission to the nursing program, successful progression from NURS 330 with minimum grade of "C" and concurrent with NURS 305 and NURS 310.

NURS 0340 • Nursing Care of the Childbearing Family

Spring • 4 Credit Hours

Focuses on health promotion of the developing family and nursing care of the maternity client with variances of health. Four (4) credit hours. Three (3) hours of lecture and three (3) hours clinical per week. Prerequisites: NURS 305, NURS 310, NURS 330 and NURS 335 with a minimum GPA of 2.5 and concurrent with NURS 360, NURS 370, and NURS 380.

NURS 0360 • Mental Health Nursing

Spring• 4 Credit Hours

Focuses on assessment, promotion of mental health and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hours lecture, six hours of clinical per week. Prerequisites: Minimum 2.5 GPA in prior semester in NURS 305, NURS 310, NURS 330 and NURS 335 and concurrent with NURS 340, NURS 370 and NURS 380.

NURS 0370 • Gerontologic Nursing

Spring • 3 Credit Hours

Focuses on the normal aging process and common health variances of the older person. Three hours lecture per week. Prerequisites: Minimum 2.5 GPA in prior semester in NURS 305, NURS 310, NURS 330 and NURS 335 and concurrent with NURS 340, NURS 360 and NURS 380 or RN status with permission of instructor.

NURS 0380 • Nursing Care of the Child and Family

Spring • 5 Credit Hours

Focuses on health promotion of the developing family and nursing care of the pediatric client with variances of health. Five (5) credit hours. Three (3) hours of lecture and six (6) hours of clinical per week. Prerequisites: NURS 305, NURS 310, NURS 330 and NURS 335 with a minimum GPA of 2.5 and concurrent with NURS 340, NURS 360 and NURS 370.

NURS 0400 • Complex Nursing

Fall • 6 Credit Hours

Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Three hours lecture, nine hours of clinical per week. Prerequisites: Minimum of 2.5 GPA in prior semester in NURS 340, NURS 360, NURS 370, and NURS 380 and minimum score of 850 on Evolve MC-1 or MC-2 test and concurrent with NURS 420 and NURS 430.

NURS 0420 • Nursing Ethics and Informatics

Fall • 3 Credit Hours

Focuses on the process of ethical decision making. Ethical issues confronting the professional nurse including issues related to informatics in healthcare are explored. Three hours lecture per week. Prerequisites: Minimum 2.5 GPA in prior semester in NURS 340, NURS 360 NURS 370 and NURS 380 and minimum score of 850 on Evolve MC-1 or MC-2 and concurrent with NURS 301 (RNs), NURS 400 and NURS 430.

NURS 0430 • Advanced Health Assessment

Fall • 3 Credit Hours

The emphasis of advanced health assessment will be refining abilities to utilize techniques to assess, identify and describe variances from normal. Two hours lecture, three hours of lab per week. Prerequisites: Minimum of 2.5 GPA in prior semester in NURS 340, NURS 360, NURS 370 and NURS 380 and minimum score of 850 on Evolve MC-1 or MC-2 test and concurrent with NURS 400 and NURS 420.

COURSE DESCRIPTIONS: NURSING (CONTINUED)

NURS 0450 • Community Health Nursing

Spring • 5 Credit Hours

Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hours lecture, six hours of clinical per week. Prerequisites: Minimum 2.5 GPA in prior semester in NURS 400, NURS 420 and NURS 430 and concurrent with NURS 460 and NURS 470.

NURS 0460 • Nursing Research

Spring • 3 Credit Hours

Emphasizes evaluation of nursing research, utilization of research findings in the clinical setting and assisting in the conduct of research. Three hours of lecture per week. Prerequisites: PSY 320, minimum 2.5 GPA in prior semester in NURS 400, NURS 420 and NURS 430 and concurrent with NURS 450 and NURS 470.

NURS 0470 • Nursing Management and Leadership

Spring • 5 Credit Hours

Emphasis is on nursing management and organization, nursing leadership skills and resource allocation. Three hours lecture and six hours clinical per week. Prerequisites: Minimum 2.5 GPA in prior semester in NURS 400, NURS 420 and NURS 430 and concurrent with NURS 450 and NURS 460.

NURS 0498 • Advanced Topics in Nursing

Demand • 1-3 Credit Hours

Special topic or topics not normally included in another course. Prerequisites: Upper division standing; additional requirements will be stipulated in the syllabus of the course.

For additional information on the Nursing Program contact:
The Department of Nursing
Health Sciences Building Room 243
417-625-9322 • nursing@mssu.edu

For additional information on the Paramedic Program contact:
Brett Peine
Health Sciences Building 319
417-625-3020 • Peine-B@mssu.edu

PARAMEDIC

FACULTY: *Peine - Chair, Torix*

Health Sciences Building 325 • 417-625-3020

Mission

The mission of the Missouri Southern State University Department of Emergency Medical Services is to educate and graduate an EMS professional who is a competent entry-level practitioner. The program is designed to develop and promote conceptual, technical, contextual, integrative and adaptive competence so that graduates are well-rounded in all phases of professional behavior. Graduates will be prepared to enter the health professions workforce and be eligible for licensure, certification and advanced education.

The School of Health Sciences and the Department of Emergency Medical Services offer certificate programs preparing students to challenge the National Registry examinations. The program is closely integrated with area Emergency Medical Services and area Trauma Centers. Classroom instruction is supplemented by laboratory, scenario-based practicals and high-fidelity simulation. Students also gain patient care experience during clinical and field rotations. The clinical training is arranged through area hospitals and advanced life support ambulance services. The program meets through three consecutive semesters beginning each fall semester.

Students seeking admission to the program are encouraged to apply early, as admission preference is given to those submitting a completed application packet by July 1st. Students should contact the Director of Emergency Medical Services for more information. Special book and equipment fees for this program. Visit www.mssu.edu/academids/health-sciences/emergency-medical-technician-paramedic for additional information.

Statement of Accreditation

The MSSU Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP). For more information contact:

Commission in Accreditation of Allied Health Education Programs
1361 Park Street, Clearwater FL 33756 or call 727.210.2350

Admission Criteria

1. Must be 18 years of age before first class.
2. High school graduation diploma or its equivalent.
3. Possession of current State of Missouri EMT license, or eligibility and ability to obtain one by first day of class.
4. Completion of PARA 201 or BIO 121 (or equivalent) with a grade of "C" or better.
5. Submission of completed application and required materials by application deadline.
6. Submission of MSSU admission application by program application deadline.
7. Possess a current American Heart Association Basic Life Support for Healthcare Provider CPR certification

Paramedic

Certificate Code.....PA81

Paramedic Certificate Requirements

PARA 101	Escaping Violent Encounters	1
PARA 251	EMS Foundations	1
PARA 252	EMS Pharmacology	2
PARA 253	EMS Pathophysiology	2
PARA 254	Pulmonology	2
PARA 255	Paramedic Skills	3
PARA 256	Pre-Hospital Cardiology	4
PARA 272	Traumatology	4
PARA 273	Emergency Medical Care	3
PARA 275	Advanced Paramedic Skills	3
PARA 292	EMS Operations	1
PARA 293	Special Patient Populations	1
PARA 370	Clinical Practicum	4
PARA 390	Field Internship	6
PARA 395	EMS Seminar	1
Total Hours		**38**

EMERGENCY MEDICAL TECHNICIAN

FACULTY:

Peine - Director, Torix

Health Sciences Building 325 • 417-625-3020

Mission

The School of Health Sciences and the Department of Emergency Medical Services offer certificate programs preparing students to challenge the National Registry examinations. The program is closely integrated with area Emergency Medical Services and area Trauma Centers. Classroom instruction is supplemented by laboratory, scenario-based practicals and high-fidelity simulation. Students also gain patient care experience during clinical and field rotations. The clinical training is arranged through area hospitals and advanced life support ambulance services. The program meets through one semester beginning each fall and spring semester.

Students seeking admission to the program are encouraged to apply early, as admission preferrences is given to those submitting a completed application packet on a first-com basis. Students should contact the Director of Emergency Medical Services for more information. Special book and equipment fees are assessed for this program. Visit www.mssu.edu/ems for more information.

Statement of Accreditation

The MSSU Emergency Medical Technician Program is accredited through the Missouri Department of Health and Senior Services and Missouri Unit of Emergency Medical Services. The Emergency Medical Technician Program meets all requirements of the National Standard Curriculum.

Admission Criteria

1. Must be 18 years of age to sit for the National Registry examinations.
2. High school graduation diploma (or equivalent) or a student in good standing at the high school junior or senior level.
3. Must submit proof of required immunizations.
4. Pass a thorough, department approved background check.
5. Possess a current American Heart Association Basic Life Support for Healthcare Provider CPR certification.
6. Submit application and required documents by the application deadline.

Emergency Medical Technician

Certificate Code.....PA80

Emergency Medical Technician Certificate Requirements		
PARA 201	Escaping Violent Encounters	1
PARA 220	Emergency Medical Technician	9
Total Hours		**10**

EMT & PARAMEDIC COURSE DESCRIPTIONS

PARA 0101 • Escaping Violent Encounters

Fall & Spring • 1 Credit Hour

Escaping Violent Encounters for EMS/Fire gives the EMS provider the options needed to recognize a developing threat of assault, deflect it if possible, escape if practical, and defend if necessary. This non-violent system of prevention and avoidance takes a realistic approach to dealing with assaults on EMS and Fire personnel. The course gives EMS and Fire personnel an effective and reasonable plan on how to avoid an attack, and also how to defend themselves once attacked.

PARA 0201 • Concepts of Anatomy & Physiology in Emergency Medical Care

Spring • 4 Credit Hours

Concepts of Anatomy & Physiology in Emergency Medical Care is a fundamental course designed to provide you with the understanding and knowledge to help you succeed in pre-hospital emergency care. The course covers how the structure and function of various systems and organs in the human body interact to function as a unit. Emphasis will be placed on the cardiovascular, respiratory, gastrointestinal, musculoskeletal, and central nervous systems. Four hours of lecture per week. Enrollment is restricted to Pre-Paramedic students only.

PARA 0220 • Emergency Medical Technician

Fall & Spring • 9 Credit Hours

Emergency Medical Technician is a fundamental course that is designed to provide you with the knowledge, skills and experience to function as a competent, entry-level practitioner. The student will gain knowledge about the acute, critical differences in physiology, pathophysiology, and clinical differences as they pertain to the pre-hospital emergency medical care of the infant, child, adolescent, adult, and geriatric patient. The student will develop skills in patient assessment, airway management, shock and bleeding control, and splinting. The student will have the opportunity to implement the knowledge and skills learned and gain clinical experience during hospital and ambulance based clinical rotations. PARA 201 or BIO 121 is strongly recommended prior to enrolling in this course. Prerequisite: Student must possess a current CPR for Healthcare Provider certification.

PARA 0251 • EMS Foundations

Fall • 1 Credit Hour

EMS Foundations introduces the students to the building blocks of the paramedicine profession. The course emphasizes professionalism and the expanding roles of the paramedic. The course provides an introduction to the following topics: EMS systems, roles and responsibilities, safety, EMS research, public health, medical and legal aspects of pre-hospital care, ethics, communication, and documentation. One hour of lecture per week. Prerequisites: Missouri Emergency Medical Technician license, American Heart Association Basic Life Support for Healthcare Provider certification, completion of PARA 201 or BIO 121 (or equivalent) with a C or better.

PARA 0252 • EMS Pharmacology

Fall • 2 Credit Hours

This course introduces the underlying principles of pharmacology and provides a perspective of the historical, regulatory (FDA) and industrial aspects of pharmacological science. This includes overviews of the physiological, biochemical, and anatomical foundations for the interaction of drugs and chemicals with biological systems as well as a brief examination of pharmacodynamics and pharmacokinetics. Students will also become familiar with basic concepts of the interactions of chemical agents with living tissues. This course is intended to orient new paramedic students to the general scope of pharmacologic science. Two hours of lecture per week. Prerequisites: Missouri Emergency Medical Technician license, American Heart Association Basic Life Support for Healthcare Provider certification, completion of PARA 201 or BIO 121 (or equivalent) with a C or better.

PARA 0253 • EMS Pathophysiology

Fall • 2 Credit Hours

Pathophysiology is the study of physiologic functions in an abnormal state. It is necessary for the paramedic student to understand human pathophysiology in order to recognize injury or illness that occurs in the human body, and to be able to anticipate changes in the injured or ill patient's condition. Principles of pathophysiology will be presented to the student, and the student will learn to recognize pathophysiological findings in many body systems including but not limited to the circulatory system, the musculoskeletal system, the respiratory system and abnormal neurological findings. Two hours lecture per week. Prerequisites: Missouri Emergency Medical Technician license, American Heart Association Basic Life Support for Healthcare Provider certification, completion of PARA 201 or BIO 121 (or equivalent) with a C or better.

PARA 0254 • Pulmonology

Fall • 2 Credit Hours

Pulmonology introduces the paramedic student to commonly encountered respiratory system emergencies. Focus will be placed on respiratory anatomy and physiology, and the assessment and treatment of respiratory emergencies. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan. Two hours of lecture each week. Co-requisites: PARA 252 and PARA 255.

PARA 0255 • Paramedic Skills

Fall • 3 Credit Hours

This course introduces basic, fundamental skills that are required for the paramedic to function. Without the knowledge and ability to properly perform these skills, the paramedic would not be able to treat patients. These skills include intravenous (IV) access, intraosseous (IO) access, medication administration and patient assessment. One hour of lecture and four hours of lab per week. Co-requisite: PARA 252.

PARA 0256 • Pre-Hospital Cardiology

Fall • 4 Credit Hours

Arguably, one of the most important areas of study in pre-hospital medicine is cardiology. The paramedic must be able to both recognize and treat cardiac disease in order to provide the patient with appropriate and timely care. This ability will minimize morbidity and mortality related to cardiac disease in the community. The ability to quickly recognize cardiac related illnesses, and confidently provide rapid treatment and transport is vital to the success of the paramedic student. Four hours of lecture per week. Co-requisites: PARA 252 and PARA 255.

PARA 0272 • Traumatology

Spring • 4 Credit Hours

Traumatology details the anatomy, physiology, and pathophysiology of trauma. Albeit trauma is a surgical disease, and in many instances definitive care must be provided in the operating room, there is a significant amount of care that can be provided by pre-hospital personnel to help reduce both morbidity and mortality. This course addresses various types of trauma based on the body systems involved. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan. Four hours of lecture per week. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255, and PARA 256 with a C or better. Co-requisites: PARA 275 and PARA 370.

PARA 0273 • Emergency Medical Care

Spring • 3 Credit Hours

Emergency Medical Care introduces the paramedic student to commonly encountered illnesses and non-traumatic emergencies. Focus will be placed on neurology, endocrinology, immunology, gastroenterology, nephrology, toxicology, infectious disease, psychiatric and behavior disorders, and obstetrics/gynecology. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan. Three hours of lecture per week. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255, and PARA 256 with a C or better. Co-requisites: PARA 275 and PARA 370.

PARA 0275 • Advanced Paramedic Skills

Spring • 3 Credit Hours

This course expounds on the skills learned in Paramedic Skills. Advanced Paramedic Skills focuses on the highly advanced, critical care skills needed to function as a paramedic. Skills and topics covered in the class include: thoracentesis and thoracotomy, cricothyrotomy, IV infusions, mechanical ventilators, transporting patients with balloon pumps, escarotomy, and assessment of the critical care patient. The course will meet for one hour of lecture and four hours of laboratory per week. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255, and PARA 256 with a C or better. Co-requisites: PARA 272, PARA 273 and PARA 370.

PARA 0292 • EMS Operations

Summer • 1 Credit Hour

EMS Operations introduces paramedic students to the principles of paramedic operations. The course addresses ground and air transport, along with a variety of special circumstances, including: multiple-casualty incidents, rescue operations, hazardous materials, crime scenes, rural practice, and terrorist incidents. Two hours of lecture per week. Prerequisites: Completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a C or better.

PARA 0293 • Special Patient Populations

Summer • 1 Credit Hour

Special Patient Populations provides the paramedic student with information they need about special populations: pediatrics, geriatrics, disabled patients, patients requiring chronic care, and patients of abuse, assault, and neglect. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan, taking into account special considerations for the varying populations. Two hours of lecture per week. Prerequisites: Completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a C or better.

PARA 0298 • Topics in EMT - Paramedic

Demand • 1-4 Credit Hours

Designed to give instruction in some area of the paramedic field not covered in other courses. Prerequisites to be determined by the department and listed on the syllabus for the specific course.

PARA 0370 • Clinical Practicum

Spring • 4 Credit Hours

During Clinical Practicum, students complete a minimum of 316 clock hours in various departments of regional hospital affiliates. Rotations include, but are not limited to: emergency department, critical care units, pediatrics, labor and delivery, cardiac catheterization lab, operating room, urgent care, psychiatric unit, and post-anesthesia care unit. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255, and PARA 256 with a C or better. Co-requisites: PARA 272, PARA 273, and PARA 275.

PARA 0390 • Field Internship

Summer • 6 Credit Hours

During Field Internship, students are assigned to a Paramedic preceptor with an area Advanced Life Support Ambulance. Students complete a minimum of 360 clock hours during the field internship. Focus is placed on developing pre-hospital care team leadership abilities and scene management. Students will progress from observer to team member to team leader. Prerequisites: completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a C or better. Co-requisite: PARA 395.

PARA 0395 • EMS Seminar

Summer • 1 Credit Hour

EMS Seminar serves as a capstone course for the paramedic program. The course is designed to test competency in all paramedic skills and prepare for the National Registry of Emergency Medical Technician cognitive and psychomotor examinations. One hour of lecture per week, one 24-hour board preparation course. Prerequisites: completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a C or better. Co-requisite: PARA 390.

PARA 0401 • EMS Systems

Demand • 3 Credit Hours

EMS Systems is an introduction to Emergency Medical Services (EMS) systems. Theoretical concepts and issues will be discussed and examined in order to provide the student with a conceptual basis for understanding and analyzing EMS systems and organizations. Particular emphasis will be placed on system components, system integration and the roles and responsibilities of management and leadership in EMS organizations. Three hours of lecture per week. Prerequisites: Completion of HS 350 with a grade of C or better.

PARA 0402 • EMS Leadership

Demand • 3 Credit Hours

EMS Leadership provides a general overview of management and administrative functions required of EMS managers today, including: planning, directing, budgeting, staffing, and evaluation. Particular emphasis will be placed on issues relating to human resources, EMS operations, and organizational planning. Three hours of lecture per week. Prerequisites: Completion of HS 350 and HS 390 with a grade of C or better.

PARA 0411 • EMS Research

Demand • 3 Credit Hours

EMS Research is an introduction to basic research methods and basic statistical procedures used in Emergency Medical Services. Students will use this information to assist them with reading, interpreting, and evaluating articles in the pre-hospital healthcare literature. Three hours of lecture per week. Prerequisites: MATH 310, GB 321, SOC 305, or PSY 320 and ENG 102.

PRE-PROFESSIONAL

FACULTY:

Health Sciences Building • 417-625-3155

Mission

This curriculum allows Missouri Southern students to complete admission requirements for professional schools that accept applicants who have completed approximately 60 hours. Students should incorporate professional school requirements into their schedule and work closely with an advisor at Missouri Southern. Also, students who are completing certification requirements for paramedic programs may transfer among Missouri public four-year colleges and universities.

For additional information contact:
Dr. Richard Miller
Hearnes Hall 306
417-625-9385 • **miller-r@mssu.edu**

RADIOLOGY

FACULTY:

Schiska - Chair
Health Sciences Building 325 • 417-625-3118

Mission

Consistent with the philosophy of MSSU, the mission of the radiologic technology program is to provide high quality entry-level radiographers for the service area of the university. Attention is focused on the needs of each student for local and international service.

The Associate of Science Degree in Radiologic Technology combines General Education Requirements courses, a supportive course in the behavioral sciences, natural sciences and special courses in the field of radiology, including extensive clinical laboratory experiences. The clinical laboratory experiences are provided through agreements between Missouri Southern and other accredited facilities and may include weekends and evening rotations. The student successfully completing the curriculum is eligible to write the National ARRT Certification Examination to become a Registered Technologist.

Completion of the degree requires the completion of General Education Requirements for the Associate of Science Degree, all Radiology courses, BIO 221 and BIO 240. Students must complete the prerequisites of Anatomy and Physiology I & II (BIO 121, 221), Medical Terminology (RAD 111), English Composition I (ENG 101) and Intermediate Algebra (MATH 30) before entering the program. Transfer students should check course equivalencies prior to enrolling in courses at other institutions.

Special admissions procedures are required for admittance into this program in addition to those required for admission to Missouri Southern State University. This includes a "C" in all prerequisites and other classes required for the course of study taken prior to admission. A limited number of students are allowed into the program each year (see website: mssu.edu/academics/health-sciences/radiology for additional information on admission requirements). A special Radiology application with supporting materials must be submitted to the Director of the Radiology Program by January 31st of the year the student wishes to enter the program (see application process on website). Accepted students begin the program at the beginning of the following summer semester.

Students seeking admission to the program should possess superior academic and critical thinking skills. They should possess the ability to problem-solve, communicate effectively and have strong interpersonal skills. In addition, they must possess strong academic skills in the sciences, with a good background in anatomy and physiology. Basic courses in physical science and/or chemistry will help prepare students for successful completion of the program. They must have the physical abilities to hear, see, lift and remain on their feet for long periods of time in order to provide safe patient care in clinical rotations. They should have the ability to lift a minimum of 50 pounds on a frequent basis. Students who have further questions regarding the above abilities and skills should contact the radiologic technology department at MSSU (see contact information in this section of the catalog). Or may visit our web site at http://www.mssu.edu/academics/health-sciences/radiology.

In addition to established fees for all university students, special fees of $17.50 for the first semester of each year for insurance, $100 for the fall of the second year and $250 for the final semester are required for enrollment in radiology courses. Fees may also be assessed for use of the simulation lab. These fees may change annually.

Students who are already Registered Technologists (through the American Registry of Radiologic Technologists) may also enter the program. Radiology course credit may be granted to the Registered Radiologic Technologist equal to that granted to the graduating Associate of Science student at the time the Registered Radiologic Technologist starts the program. Students must then complete the additional Associate of Science Degree General Education Requirements as outlined in the catalog.

A BS in Health Science with an emphasis in radiologic technology option is also available to those wishing to seek a more advanced degree beyond the A.S. option. For more information, please see the health science degree option in this catalog.

For additional information visit our website:
http://www.mssu.edu/academics/health-sciences/radiology.

Associate of Science in Radiologic Technology

Major Code.....RA01

General Education Requirements (p. 40) 27-28*		**20**
Radiology Requirements		**64**
RAD 100	Basic Concepts in Radiology	3
RAD 101	Introduction to Radiology	3
RAD 110	Clinical Training I	2
RAD 111	Medical Terminology	3
RAD 132	Principles of Radiographic Exposure	4
RAD 142	Radiographic Positioning I	4
RAD 170	Radiologic Physics	3
RAD 210	Clinical Training II	2
RAD 241	Radiographic Positioning II	3
RAD 300	Clinical Training III	2
RAD 301	Image Critique and Quality Management in Radiology	2
RAD 320	Radiographic Positioning III	3
RAD 340	Clinical Training IV	3
RAD 350	Patient Care and Radiation Protection in Radiology	3
RAD 360	Clinical Training V	3
RAD 370	Special Topics in Radiology.	3
RAD 399	Advanced Radiology	3
BIO 121	Human Anatomy and Physiology I*	4
BIO 221	Human Anatomy and Physiology II	5
BIO 240	Radiation Biology	3
PSY 100	General Psychology*	3
Total Hours		**84**

*BIO 121 General Education Requirement under Life Sciences. PSY 100 meets General Education Requirement under area E.

COURSE DESCRIPTIONS: RADIOLOGY

RAD 0100 • Basic Concepts in Radiology

Summer • 3 Credit Hours

This course covers basic concepts related to the practice of radiology. It will cover introductory concepts related to the role of the radiographer in healthcare, healthcare delivery systems, ARRT Code of Ethics, overview and handling of basic medical equipment, introduction to radiation and patient safety concepts and basic positioning of the chest and abdomen.

RAD 0101 • Introduction to Radiology

Fall • 3 Credit Hours

Basic procedures and equipment in the radiology department. Includes organization, function and supervision of a radiology department with a history of x-ray, patient care basics, ethical principles and legal aspects of radiologic technology and basic principles of radiation protection. Three hours lecture per week.

RAD 0110 • Clinical Training I

Fall • 2 Credit Hours

Clinical training with special emphasis in the areas of the thorax, pelvis, extremities and spine radiography.

RAD 0111 • Medical Terminology

Fall & Spring • 3 Credit Hours

The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of procedural, pharmacological, medical and surgical terms are included. Three hours lecture per week. Cross-listed as HS 111.

RAD 0132 • Principles of Radiographic Exposure

Spring • 4 Credit Hours

Fundamental principles of technique and technique conversion with particular emphasis on the factors that directly and indirectly affect radiographic exposure. Emphasis on radiation protection, processing , image artifacts and digital modalities.

RAD 0142 • Radiographic Positioning I

Fall • 4 Credit Hours

Basic radiographic positioning including both standard and specialized positions of the chest, bony thorax and spine. Image critique and radiation protection are included as critical parts of this course. One and a half hours lecture, three hours lab per week.

RAD 0170 • Radiologic Physics

Fall • 3 Credit Hours

The physics of radiology. The physical principles of X-ray production, including theory in electricity, rectification, circuitry and basic equipment maintenance. Three hours lecture per week.

RAD 0210 • Clinical Training II

Spring • 2 Credit Hours

Intensive clinical training with emphasis in fluoroscopy and various contrast studies. Additional experience and competencies will also be obtained in the areas of general radiography, portables and an introduction to surgical rotations.

RAD 0241 • Radiographic Positioning II

Spring • 3 Credit Hours

Radiographic procedures and positioning related to the bony thorax, digestive, urinary and reproductive systems. A basic overview is given of surgical, mobile and trauma radiography. Special emphasis on the use and preparation of contrast media, patient preparation and procedures employed, including tomography to visualize organs of interest and pathophysiology of the above systems. Two and one half hours lecture, one hour lab per week. Prerequisites: RAD 142 or permission of instructor.

RAD 0300 • Clinical Training III

Summer • 2 Credit Hours

Clinical training in special procedures requiring sterile fields and surgical cases. Continued practice and competency in general radiography, surgery, and contrast studies. Prerequisites: RAD 110, RAD 210.

RAD 0301 • Image Critique & Quality Management in Radiology

Summer • 2 Credit Hours

Theory and practice in the art and science of evaluating the technical quality of images. Students will develop critical thinking and problem-solving skills to correct positioning and technical errors. Includes an introduction to quality assurance and pathophysiology of the skeletal and respiratory systems. Prerequisites: RAD 132, RAD 170. Four hours of lecture per week.

RAD 0320 • Radiographic Positioning III

Fall • 3 Credit Hours

An in-depth study of the anatomy and radiographic equipment and positioning used in skulls, facial bones, sinuses, arthrography, long bone measurements and mammography. Part II of this course will include an introduction to CT and an overview of sectional anatomy of the brain, spine, neck, chest and abdomen. One and a half hours of lecture, three hours of lab per week. Prerequisite RAD 241.

RAD 0340 • Clinical Training IV

Fall • 3 Credit Hours

Continued training in special procedures with increased responsibility in surgical radiography. Continued clinical proficiency development in general radiography, including contrast studies, surgical, portable, facial and skull radiography. Prerequisite: RAD 300 or permission of instructor.

RAD 0350 • Patient Care & Radiation Protection in Radiology

Fall • 3 Credit Hours

A continuation of basic patient care and radiation protection learned to this point in the program. Course content includes signs, symptoms and appropriate technologist response to common emergencies encountered in radiology. Infection control, chest tubes, enteral tubes and vascular access lines, as well as medication administration, venipuncture and basic ECG will also be covered. Emphasis will be placed on radiation biology and radiation protection of the patient and technologist involved in patient care procedures. Three hours lecture per week. Prerequisites: RAD 101 or permission of instructor.

RAD 0360 • Clinical Training V

Spring • 3 Credit Hours

Students will rotate through special procedures with increased responsibility and do an introductory rotation through CT scans. In addition, students will continue to incorporate skills and competencies in basic radiologic procedures. Prerequisite: RAD 340.

RAD 0370 • Special Topics in Radiology

Spring • 3 Credit Hours

Course covers angiography, myelography, digital modalities, bone densitometry and CT with an introductory segment on MRI and ultrasound. Special emphasis on equipment operation, patient care, contrast preparation, procedural steps and pathophysiology. Three hours lecture.

RAD 0399 • Advanced Radiology

Summer • 3 Credit Hours

A capstone course designed to prepare students for the national certification examination. Course will include advanced concepts and testing over all major aspects covered by the national certification examination as outlined by the American Registry of Radiologic Technologists. Prerequisites - RAD 101, RAD 170, RAD 132, RAD 241. Six hours lecture per week.

For additional information contact:
Alan Schiska • Director, Radiology
417-625-3118 • schiska-a@mssu.edu

RESPIRATORY CARE



FACULTY:

Pippin - Chair, Dunaway and Whiteman
Health Sciences Building 325 • 417-659-4405

Mission

The mission of the program is to provide an outstanding educational program that offers students an opportunity to develop knowledge, skill and attitudes essential for safe, effective practice within the scope of respiratory care practitioners.

Goals

Program goals are:

1. To supply the community with respiratory care practitioners.
2. To prepare program graduates to pass the National Board for Respiratory Care Credentialing Examinations.

A career in the medical field can be a dynamic and rewarding opportunity. The changing nature of the medical profession is creating a demand for multi-skilled health professionals with communication, interpersonal and excellent clinical skills such as the respiratory care practitioner. The Respiratory Care Program is designed to prepare students to be employed in the hospital, clinic, sleep laboratory and alternate care settings such as a durable medical equipment company. Respiratory Care Practitioners perform a variety of clinical, diagnostic and management functions in these settings.

The Respiratory Care Department offers these career tracts:

1. Associate of Science Degree
2. Baccalaureate Degree in Health Sciences. See General Education Requirements and course descriptions on page 41.

The curriculum offers the following options:

- Graduates of the associate degree respiratory care program will be eligible to take the NBRC Certification in Respiratory Therapy to become a Certified Respiratory Therapist (CRT). Successful completion of the CRT exam will allow the graduate to take the clinical simulation exams to become a Registered Respiratory Therapist (RRT).

- For those students interested in a bachelor degree, there are two options: a Bachelor of General Studies or a Bachelor's in Health Sciences, designed for graduates of the Respiratory Therapy program.

The Associate of Science Degree Program in Respiratory Therapy prepares students for a position as a respiratory care practitioner. The program is provided by Missouri Southern State University and Franklin Technology Center, through a consortium for respiratory care education. The program is accredited by the Commission on Accreditation for Respiratory Therapy, 1248 Harwood Road, Bedford, TX 76021. The Associate of Science program consists of a core academic component and a major concentration component. The academic section consists of the MSSU Associate of Science degree requirements, including courses in the Humanities and Fine Arts, Life and Physical Science, Social and Behavioral Science, Mathematics, Written and Oral Communication, Health and Wellness and University Experience. The respiratory care major concentration components comprise both the didactic and respiratory care clinical instructional areas. A comprehensive self-assessment exam must be successfully completed as a requirement for graduation.

All graduates must successfully complete the NBRC Entry Level Certification Examination (CRT) prior to taking the Registry Examination(RRT).

Respiratory Care Students must demonstrate numerous competencies representing all three learning domains: the cognitive, psychomotor and affective domains. Students learn, practice and verify these competencies in a number of settings including the classroom, laboratory and clinic. To achieve the required competencies in the classroom setting, respiratory care students must perceive, assimilate and integrate information from a variety of sources. These sources include oral instruction, printed material, visual media and live demonstrations. Students must participate in classroom discussion, give oral reports and pass written and/or computer-based examinations of various formats. Completion of these tasks requires cognitive skills, such as reading, writing and problem-solving. To be physically capable of the classroom work, students must, with assistance, be able to: hear, see, speak, sit and touch. Respiratory care laboratories provide students with the opportunity to view demonstrations, evaluate and practice with medical devices and perform simulated clinical procedures. In addition to the cognitive skills required in the classroom, students must demonstrate psychomotor skills in manipulation of patients and equipment, as well as general professional behaviors (affective domain), like team-building and interpersonal communications. To satisfy laboratory and clinic requirements, students must perform all procedures without critical error.

Admission to Missouri Southern or Franklin Technology Center does not automatically grant admission to the respiratory care program. In addition to meeting admission requirements to the University, candidates must apply for admission to the Department of Respiratory Care. Applications are accepted during the Spring semester for the Fall class.

Enrollment is competitive; Applicants must submit the necessary information to the department office by the designated deadline to be considered for acceptance. Evidence of computer literacy and satisfactory completion of the following prerequisites with a 'C' or better must be presented: MATH 030 Intermediate Algebra or higher, ENG 101 College Composition I and BIO 121 Human Anatomy and Physiology I. Department Recommendation: High school or college course work in Physical Science and Chemistry. Interested individuals are encouraged to contact the Program Director of Respiratory Therapy for more specific information regarding admissions criteria.

In addition to established fees for all university students, other costs are incurred by respiratory care students such as: uniforms, books, self-assessment examinations, graduation pins, AARC student membership dues, liability insurance and various expenses for transportation to off campus clinical sites and professional meetings.

Graduate outcomes

Graduates of the program will:

- **Cognitive** - Demonstrate the ability to comprehend, apply and evaluate clinical information relevant to their role as a respiratory care practitioner.
- **Psychomotor** - Demonstrate the technical proficiency in all skills necessary to fulfill the role as a respiratory care practitioner.
- **Affective** - Demonstrate personal behavior consistent with professional and employer expectations for the respiratory care practitioner.

Admission Criteria

(Associate of Science in Respiratory Therapy)

Application should be made directly to the Respiratory Care Department Office on the Missouri Southern State University campus (special admissions procedures are required for admittance into this program in addition to admission to MSSU).

1. Continuous enrollment, readmission or admission to Missouri Southern and Franklin Technology Center as a transfer student.
2. Completion of an approved college-level math, College Composition I and Anatomy & Physiology I courses.
3. Provide documentation of computer literacy.
4. Minimum adjusted individual total score on the Health Occupations Basic Entrance Test administered by the Department.
5. Submit to background check, State of Missouri Caregiver Background Screening and drug screen.

Admission to the program is competitive.

Associate of Science in Repiratory Therapy

Major Code.....REOO

General Education Requirements (p. 40) 27-28*		**17**
Respiratory Therapy Major Requirements		67
BIO 121	Human Anatomy and Physiology I*	4
ENG 101	College Composition I*	3
MATH 030	or higher*	3
RESP 101	Respiratory Therapy Foundations	3
RESP 102	Cardiopulmonary Sciences	3
RESP 105	Cardiopulmonary Anatomy & Physiology	3
RESP 107	Respiratory Therapy Procedures	3
RESP 108	Respiratory Procedures Lab	3
RESP 120	Cardiopulmonary Pathology	3
RESP 125	Respiratory Therapy Clinical I	3
RESP 129	Cardiopulmonary Pharmacology	3
RESP 222	Introduction to Mechanical Ventilation	4
RESP 226	Cardiopulmonary Diagnostic	3
RESP 239	Respiratory Therapy Clinical II	5
RESP 307	Cardiopulmonary Assessment	6
RESP 311	Neonatal/Pediatric Care	3
RESP 312	Advanced Mechanical Ventilation	3
RESP 313	Alternate Site Respiratory Therapy	3
RESP 340	Advanced Level Clinical Practice	5
RESP 341	Research Issues, Methods	1
Total Hours		**84**

*Prerequisites BIO 121, ENG 101 & MATH 030 or higher meet AS degree requirements.

Associate of Science degree students must meet the Missouri Constitution Requirement by completing PSC 120 or the Missouri Constitution Test.

Students must pass the National Board for Respiratory Therapy Self Assessment Exam (SAE) for both CRT and RRT prior to graduation from Missouri Southern State University.

RESPIRATORY CARE COURSE DESCRIPTIONS

RESP 0101 • Respiratory Therapy Foundations

Fall • 3 Credit Hours

Entry level information is presented regarding respiratory care history from its conception to its current goals and standing. Topics covered include medical terminology, hospital and respiratory care department structure and management, psychosocial aspects of patient care and medical ethics. A clinical session allows the student an orientation rotation at the program's clinical sites. Prerequisite: Admission to the respiratory care program.

RESP 0102 • Cardiopulmonary Sciences

Fall • 3 Credit Hours

Focuses on the sciences used in the practice of respiratory care. Emphasis will be placed upon physics, chemistry and microbiology and infection control as related to the cardiopulmonary sciences. Prerequisite: Admission to the respiratory care program and completion of a college-level math course.

RESP 0105 • Cardiopulmonary Anatomy & Physiology

Spring • 3 Credit Hours

An in-depth presentation of the cardiopulmonary system, its abnormalities and corrective techniques as related to respiratory care. Included are the concepts of the cardiovascular system, ventilation, diffusion of pulmonary gases, hemodynamic measurements, ventilation perfusion relationships, oxygen and carbon dioxide transport, acid base balance and arterial blood gas analysis. Prerequisite: Admission to the respiratory care program, college level math course and completion of BIO 121.

RESP 0107 • Respiratory Therapy Procedures

Fall • 3 Credit Hours

Theory and practice of basic respiratory care procedures as outlined in the National Board for Respiratory Therapy (NBRC) CRT examination content outline. Including cardiopulmonary assessment, medical gas administration, oxygen therapy, equipment maintenance, chest physiotherapy, chest expansion therapy, airway management, bedside pulmonary function testing, arterial puncture and administering medicated aerosol therapy. Prerequisites: Admission to the respiratory care program and concurrent enrollment or completion of RESP 108.

RESP 0108 • Respiratory Therapy Procedures Laboratory

Fall • 3 Credit Hours

Students practice entry-level respiratory care procedures, using state-of-the-art equipment, in the clinical laboratory under simulated patient situations. The student will address the three difficulty levels of learning in the laboratory environment (Recall, Application and Analysis). Prerequisites: Admission to the respiratory care program and concurrent enrollment or completion of RESP 107.

RESP 0120 • Cardiopulmonary Pathology

Spring • 3 Credit Hours

Study of concepts and theory of selected cardiopulmonary diseases to include: definition, clinical manifestations, etiology, pathologic, radiological and laboratory findings; prevention, prognosis and treatment. Prerequisite: Admission to the respiratory care program and completion of BIO 121.

RESP 0125 • Clinical Respiratory Therapy Experience I

Spring • 3 Credit Hours

Clinical instruction supplemented by clinical SOAP assessments that allow the student to apply the classroom and laboratory respiratory care competencies mastered in specific respiratory care courses. Prerequisites: RESP 107 & RESP 108.

RESP 0129 • Cardiopulmonary Pharmacology

Fall • 3 Credit Hours

Comprehensive overview of the general principles of pharmacology. Focuses on the drugs and drug groups that are either administered by respiratory care personnel or those that play a role in the care of cardiopulmonary patients. Prerequisite: BIO 121 and admission to the respiratory care program.

RESP 0222 • Introduction to Mechanical Ventilation (Life Support Technology)

Fall • 4 Credit Hours

Emphasis on the technical components of mechanical ventilators, their classification, principles of operation, attachments and the flow/pressure/volume curves generated by various ventilators, as well as compliance and resistance. An introduction to the management of patients receiving mechanical ventilation will be presented in a laboratory format. Prerequisite: Admission to the respiratory care program.

RESP 0226 • Cardiopulmonary Diagnostics

Spring • 3 Credit Hours

Theory, application and equipment for diagnosing respiratory pathologies through the diagnostic concepts used in respiratory care. Include techniques utilized for measurement of lung gas volumes, capacities, flows and cardiopulmonary status during exercise testing. Basic EKG interpretation will be presented. A secured SAE will be administered during the course. Prerequisite: Admission to the respiratory care program.

RESP 0239 • Clinical & Laboratory Experience II

Fall • 5 Credit Hours

Clinical instruction supplemented by clinical SOAP assessments that allow the student to apply the knowledge and respiratory care skills mastered in the Respiratory Therapy courses: Cardiopulmonary Diagnostics, Introduction to Mechanical Ventilation and Neonatal and Pediatric Respiratory care in the laboratory and clinical setting. The course will emphasize ventilator care, diagnostic procedures and alternate site care (home care). Prerequisite: RESP 125.

For additional information contact:
Glenda Pippin • Chair, Respiratory Care
417-659-4405 • Pippin-G@mssu.edu

RESP 0307 • Cardiopulmonary Assessment

Spring • 6 Credit Hours

A systematic approach to advanced cardiopulmonary patient assessment. Emphasis is on evaluation of the respiratory care plan based upon laboratory data, electrocardiogram interpretation, fluid and electrolyte balance, acid base balance and oxygen transport, pulmonary function testing, exercise testing, interpretation of chest x-rays, bronchoscopy and hemodynamic monitoring. Prerequisite: Admission to the respiratory care program. In addition the course addresses ACLS (Advanced Cardiac Life Support). Course will consist of four (4) lecture hours and four (4) lab/clinical hours each week.

RESP 0311 • Neonatal & Pediatric Respiratory Therapy

Fall • 3 Credit Hours

Respiratory care of the neonatal and pediatric population beginning with fetal development and continuing through assessments of infants including gestational age, APGAR scoring and Silverman scoring. Various heart/lung deficiencies will also be discussed as well as treatment modalities. Prerequisite: Admission to the respiratory care program.

RESP 0312 • Advanced Mechanical Ventilation (Advanced Life Support)

Spring • 3 Credit Hours

A continuation of the Introduction to Mechanical Ventilation (Life Support Technology) course. In-depth study of ventilator management in critical care, long-term care and the home environment utilizing case studies and clinical problem-based learning sessions. Prerequisite: RESP 222 and admission to respiratory care program.

RESP 0313 • Alternate Site Respiratory Therapy

Fall • 3 Credit Hours

Theoretical aspects of providing respiratory care at alternate sites. Includes components of home respiratory care, extended care units, long term care facilities, ventilator rehabilitation centers, physician offices, land/air transport, outpatient diagnostic clinics. Introduces the fundamentals of teaching and learning theories. Prerequisite: Admission to the respiratory care program.

RESP 0340 • Advanced Level Respiratory Therapy Clinical Experience

Spring • 5 Credit Hours

Progressive process of developing cognitive levels at the recall, application and analysis levels as a respiratory care practitioner. Correlates directly with the Advanced Mechanical Ventilation (Advanced Life Support) course, Cardiopulmonary Assessment, Neonate/Pediatric and the Alternate Site (Management/ Pulmonary Rehabilitation/Home Care) courses, to provide the student a clinical environment to demonstrate these learned advanced-level respiratory care competencies. Prerequisite: Admission to the respiratory care program and concurrent enrollment or completion of theory coursework.

RESP 0341 • Research Issues, Methods & Problems in Respiratory Therapy

Spring • 1 Credit Hours

Directed research and discussion in selected areas of respiratory care for advanced-level respiratory therapist. Course work includes independent literature search under the supervision of a respiratory care instructor that utilizes the student's program acquired respiratory care critical thinking, writing and oral presentation skills. Research scope, depth and area of concentration to be approved by the program director. A secure WRRT exam will be administered during this course.



Applied Science

First-Year Experience Program

Honors Program

Military Science/ Show- Me Gold

Multimedia

Prelaw

Continuous Process Improvement



Interdisciplinary Studies

BACHELOR OF APPLIED SCIENCE MAJOR CODE BASO

The Bachelor of Applied Science (BAS) degree is for students who would like to complete a Bachelor's Degree after having completed the Associate of Applied Science (AAS) degree at a community or technical college. This degree provides students the opportunity to complete an abbreviated program of study relevant to their career objectives. Students pursuing this degree are required to select a program of study from among the Minors or Certificates offered at the university. Minor or Certificate completion is posted to the student transcript upon completion of the degree. This degree is offered online.

The requirements for this degree include the following:

1. Students must complete an AAS degree from a regionally accredited institution of higher education prior to graduation from MSSU with the BAS degree.
2. All general education requirements of the university must be met.
3. Students must earn the required 40 upper division credits as specified by university policy.
4. Students must complete a Minor or Certificate in a field of their choice at Missouri Southern. Each Minor or Certificate chosen must require at least 15 semester credit hours.
5. All other university policies related to admissions and bachelor's degree completion must be met.

Advising for this degree is available through the academic unit offering the Minor or the Certificate the student chooses to pursue. Students desiring this degree are strongly encouraged to see an advisor and declare their program of study upon matriculation. Minors and Certificates available, and their associated academic units, are listed in this catalog.

FIRST-YEAR EXPERIENCE PROGRAM

Hearnes Hall 315 • 417-625-9731

The First-Year Experience Program (FYE) at Missouri Southern State University has been established to assist first-year students in the transition to university life and to introduce new students to the opportunities at MSSU. The FYE program oversees several components that help accomplish these goals such as: the UE 100 The University Experience course, the Common Reading Program, Learning Communities and the Leadership Training courses for Course Assistants. For further information on this program, see the FYE section under New Student Programs.

COURSE DESCRIPTIONS: FIRST-YEAR EXPERIENCE PROGRAM

UE 0100 • The University Experience

Fall, Spring & Summer • 3 Credit Hours

UE 100 is required for all degree-seeking students having completed fewer than 30 credit hours. UE 100 is a fundamentals course designed to assist first-year students in successfully defining themselves both as active participants in the MSSU community and as citizens of a twenty-first century global community. The course offers information on university personnel, services, facilities, policies and emphasizes MSSU's international programs and international study opportunities. Student participation in co-curricular activities is required.

UE 0105 • Career and Life Planning

Fall, Spring & Summer • 2 Credit Hours

This course is designed to assist students in the career planning process. A primary objective of this course is to learn and practice systematic approaches to career planning and decision-making. To assist in this process, strategies for decision-making and goal setting will be discussed. Students will go on a personal journey to take a closer look at their personality and how their personality, wants, values and decision-making strategies affect how they choose a major or career. Recommended for all undecided majors and open to any students.

UE 0150 • College Academic Skills

Fall, Spring & Demand • 2 Credit Hours

A course designed to develop and strengthen an understanding of student responsibility, goals and attitudes necessary for the successful transition from secondary school to college. Active learning through critical thinking, reading and writing to support academic success at the University level will be practiced. Students will identify learning styles and strengths and weaknesses associated with their learning processes. This class is designed for students who have an ACT composite score of 17 or below or no ACT score.

UE 0200 • Leadership and Professional Development

Spring • 2 Credit Hours

This course is organized into two segments: leadership development and professional development. The leadership development segment of this course focuses on identification of various types of leadership skills and the role of leaders in the workplace. The professional development segment of this course focuses on determining short and long-standing career goals, the basics of the job search and improving on-the-job communication skills (verbal and non-verbal). Prerequisite: Sophomore standing with a declared major and an active Project STAY participant.

UE 0205 • Tutor Training

Fall & Spring • 1 Credit Hour

A course designed to provide students hired as tutors with an educational foundation of the methods and techniques needed to tutor students in a higher education setting.

UE 0400 • Leadership Training I

Spring • 1 Credit Hour

Leadership Training I is a semester-long, one-credit hour course designed to prepare students to serve as Course Assistants for the UE 100 course. In Leadership Training I, students develop familiarity with issues, materials, resources and methods relevant to assist them in mentoring first-year students enrolled in UE 100. UE 400 may be repeated for credit.

UE 0401 • Leadership Training II

Fall, Spring & Summer • 2 Credit Hours

Leadership Training II is a semester-long, two-credit hour course for students who serve as Course Assistants for the UE 100 course. Students will receive credit for Leadership Training II for successfully assisting an instructor in teaching a UE 100 class. UE 401 may be repeated for credit. Successful completion of the course entitles a Course Assistant to a cash stipend. Prerequisite: UE 400.

UE 0493 • Legislative Internship

Demand • 8 Credit Hours

Students will be assigned to a legislator or other qualified person involved in the Missouri Legislative Process to observe and participate in a legislative session. The students will be required to live and work in the capital from the beginning of the session until its conclusion and comply with the MSSU Legislative Intern Handbook. Prerequisites: PSC 120, 30 hours of credit, 2.5 GPA. Cross listed as PSC 493.

For additional information contact:
Teresa Thompson - Director, First-Year Experience Program
Hearnes Hall 315B • 417-625-9731
thompson-t@mssu.edu

HONORS PROGRAM

Dr. Michael Howarth • Taylor Hall 206 • 417-625-3005

The Honors Program serves Missouri Southern State University by recruiting academically talented and motivated students and engaging them in enhanced educational opportunities and challenges designed to promote their development as scholars and citizens. While students will take courses offered in Missouri Southern's regular curriculum, the following courses are specifically designed for Honors students. For a complete description of the program, please see page 52.

COURSE DESCRIPTIONS: HONORS PROGRAM

HNRS 0101 • Honors Forum

Fall & Spring • 1 Credit Hour

An open forum to introduce first-year Honors students to the principles and practices of scholarly inquiry and active learning. Students will read essays and texts concerning personal and academic challenges inherent in a college environment, as well as selecting, designing, researching, and presenting topics that cover a range or a combination of disciplines.

HNRS 0201 • Service Learning

Fall & Spring • 1-4 Credit Hours

By engaging the Honors Scholar as a volunteer in an unfamiliar, public service-oriented institution, this course experience is designed to expose the student to the concepts of self and cognitive awareness and to lead the student through a critical analysis of the dominant paradigms of thought encountered during the service.

HNRS 0298 • Special Topics

Demand • 1-3 Credit Hours

An interdisciplinary Honors course. Topics to be announced each time the course is offered and approved by the Honors Director. Emphasis on discussion, group activities and projects. Prerequisite: HNRS 101.

HNRS 0400 • Research Seminar and Tutorial

Fall & Spring • 2 Credit Hours

This course will address fundamental elements of research design and execution in order to prepare students for their senior thesis projects. Prerequisite: junior or senior standing.

HNRS 0490 • Senior Thesis

Fall & Spring • 1 Credit Hour

Students will meet regularly with Honor Program staff in order to assess their progress toward completing their Honors Theses. Prerequisite: senior standing.

HNRS 0495 • Honors Seminar

Demand • 3 Credit Hours

Intensive seminar course for upper-division Honors students, culminating in a substantial research paper. Topics to be announced each time the course is offered and approved by Honors Director. Prerequisite: HNRS 101 and 201. Honors 495 may be repeated once for credit when topic varies.

HNRS 0498 • Advanced Special Topics

Demand • 1-3 Credit Hours

An Honors course for upper-division Honors students. Topics to be announced each time the course is offered. Prerequisite: Honors 101 and Honors 201.

HNRS 0499 • Independent Study

Fall, Spring & Summer • 1-3 Credit Hours

Course structured by the instructor with approval of the Director of the Honors Program. Prerequisite: member in good standing of the Honors Program. Registration must be approved by the student's advisor, department head and school dean.

MILITARY SCIENCE

The Military Science minor is a four year program in which students contract with the Missouri National Guard for military service upon completion of their degree. GOLD 101 is open enrollment for all students without a contractual obligation. The program is offered in both classroom and laboratory learning environments. Please contact CPT Phillips for more information.

Minor in Military Science

Minor Code MS80

GOLD 101	Introduction to Tactical Leadership (S)	2
GOLD 120	Military Fitness I Spring	1
GOLD 201	Innovative Team Leadership (F)	2
GOLD 210	Military Fitness II Fall	1
GOLD 202	Foundations of Tactical Leadership (S)	2
GOLD 220	Military Fitness II Spring	1
GOLD 301	Adaptive Team Leadership (F)	2
GOLD 310	Military Fitness III Fall	1
GOLD 302	Leadership in Changing Environments (S)	2
GOLD 320	Military Fitness III Spring	1
GOLD 401	Developing Adaptive Leader (F)	2
GOLD 410	Military Fitness IV Fall	1
GOLD 402	Leadership in a Complex World (S)	2
GOLD 420	Military Fitness IV Spring	1
Total		21

For additional information contact:
CPT. Phillips
Public Safety Building 142
417-625-9690 • phillips-c@mssu.edu

COURSE DESCRIPTIONS: MILITARY SCIENCE

GOLD 0101 • Introduction to Tactical Leadership

Spring • 2 Credit Hours

Introduce students to the personal challenges and competencies that are critical for effective leadership. Students learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Overview of leadership fundamentals such as setting direction, problem solving, presenting briefs, providing feedback, and using effective writing skills.

GOLD 0120 • Military Fitness I Spring

Spring • 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

COURSE DESCRIPTIONS: MILITARY SCIENCE (CONTINUED)

GOLD 0201 • Innovative Team Leadership

Fall • 2 Credit Hours

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and leadership theories that form the basis of Army Leadership framework. Students practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in Leadership Labs. Focused on a continued knowledge of leadership values and attributes through the understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 101 or Experiential Learning credit (Current National Guard or previous active duty may qualify for experiential learning).

GOLD 0202 • Foundations of Tactical Leadership

Spring • 2 Credit Hours

Examine the challenges of leading teams in the complex Contemporary Operating Environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of Army Leadership framework explores adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Contemporary Operating Environment studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 201 or Experiential Learning credit (Current National Guard or previous active duty may qualify for experiential learning).

GOLD 0210 • Military Fitness II Fall

Fall • 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

GOLD 0220 • Military Fitness II Spring

Spring • 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

GOLD 0301 • Adaptive Team Leadership

Fall • 2 Credit Hours

Challenges students to study, practice, and evaluate adaptive leadership skills they are presented with the demands of preparing for Officer Candidate School and commissioning. Challenging scenarios related to small unit tactics are used to develop self awareness and critical thinking skills. Students receive systematic and specific feedback on their leadership abilities. Primary attention is given to leadership values, attributes, skills, and actions. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 202 or Experiential Learning credit (Current National Guard or previous active duty may qualify for experiential learning).

GOLD 0302 • Leadership in Changing Environments

Spring • 2 Credit Hours

This course uses increasingly intense situational leadership challenges to build student awareness and skills in leading tactical operations. Having learned squad-level tactics in GOLD 301, students learn to lead up to Platoon Level. Students review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. The focus is on exploring, evaluating, and developing skills in decision making, persuading, and motivating team members in the Contemporary Operating Environment. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 301or Experiential Learning Credit.

GOLD 0310 • Military Fitness III Fall

Fall • 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

GOLD 0320 • Military Fitness III Spring

Spring • 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

GOLD 0401 • Developing Adaptive Leaders

Fall • 2 Credit Hours

Develops student proficiency is planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Students are given situational opportunities to assess risk, make ethical decisions, and provide coaching to GOLD students. Students are measured by their ability to give and receive systematic and specific feedback on leadership abilities. Attention is given to preparation for Platoon Leaders and branch-specific leadership abilities. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 301, GOLD 302

GOLD 0402 • Leadership in a Complex World

Spring • 2 Credit Hours

Explore the dynamics of leading in a complex situation of current military operations in the Contemporary Operating Environment. Students examine differences in customs, courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Students also explore aspects of interacting with nongovernmental agencies, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing students for their first unit assignment Second Lieutenants. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 301, GOLD 302, GOLD 401.

GOLD 0410 • Military Fitness IV Fall

Fall * 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

GOLD 0420 • Military Fitness IV Spring

Spring * 1 Credit Hour

Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.

MULTIMEDIA

Webster Hall 206 • 417-625-3105

The minor in Multimedia is designed to allow students to gain the skills necessary for careers in a variety of occupations such as business communication, advertising, graphics and the arts, network communication systems and business and media communication. Students will gain skills in software, multimedia design, programming, communication, marketing and strategy development.

Minor in Multimedia

Minor Code MM84

Required		**.....12**
MRKT 405	eMarketing (3)	
CIS 110	Programming I (3)	
ART 101	Two Dimensional Design (3)	
COMM 101	Introduction to Human Communication (3)	
Choose two from one of the areas		**.....6**
For Business emphasis (Choose two*)		
MGMT 337	Managment Information Systems (3)	
MRKT 401	Integrated Marketing Communications (3)	
MRKT 432	Consumer Behavior (3)	
For Technology emphasis (Choose two*)		
CIS 305	Microcomputer Applications (3)	
CIS 310	Database Management Systems (3)	
For Art/Graphic Design emphasis (Choose two*)		
ART 215	Illustrator/InDesign (3)	
ART 216	Photoshop/Web Design (3)	
ART 240	Typography and Lettering (3)	
For Communication emphasis (Choose two*)		
COMM 200	Audio Production for Media (3)	
COMM 211	Introduction to Public Relations (3)	
COMM 470	New Media Technology (3)	
Total for Minor (Multimedia)		**.....18**

*Other courses may be substituted with permission of advisor.

PRELAW

FACULTY: **Derfelt • Webster Hall 212 • 417-625-9794**

Law schools agree that a variety of majors prepare students for law school; there is no single preferred course of study for prelaw students. There are a variety of majors they advise students to pursue in order to prepare for law school. The U.S. Department of Labor recommends that students who wish to attend law school should become proficient in writing and speaking, reading, researching, analyzing and thinking critically. They recommend "Courses in English, foreign languages, public speaking, government, philosophy, history, economics, mathematics and computer science, among others." Students may also find useful any courses that acquaint students with legal vocabulary and "hypothetical" exam questions, a staple of law school exams. Some of the MSSU majors that help prepare a student for law school include: Accounting, Criminal Justice, English, History, International Studies, Mathematics, Political Science and Sociology. There is also a Legal Studies minor open to any student regardless of major. There are a variety of courses which would be helpful to any student desiring to enter law school no matter what major he or she chooses.

Missouri Southern also offers a variety of activities to prepare students for the law school experience. These activities include Law School Admissions Test (LSAT) training sessions, field trips to law schools and on-campus visits by law school recruiters to help students prepare for and select a law school.

The curriculum for prelaw students should be jointly planned by the student and one of the prelaw advisors below. The student may major in almost any discipline emphasizing development of the academic skills necessary to prepare the student for performing well on the LSAT and for the rigorous study required in law school. The major may be determined by the student's general area of academic interest and by the type of law the student plans to practice, such as government service, private practice, corporate law, criminal prosecution or criminal defense.

For additional information contact:
Dr. Joanna Derfelt
derfelt-j@mssu.edu

CONTINUOUS PROCESS IMPROVEMENT

Ummel Technology 153 • 417-625-9849

This minor was developed for non-Engineering Technology majors and focuses on skills and techniques used to improve processes and systems in a variety of industries. Any student majoring in business, health, criminal justice, CIS, biology, chemistry, technical writing or other fields will increase their competitiveness with this minor because any organization benefits from reducing cost and increasing productivity and quality. Some examples of industries who are looking for improvement analysts include Biotechnology, Pharmaceuticals, Food, Chemical Industry, Healthcare Services, Telecommunications Services, Medical Devices and Supplies, Financial Services, Insurance, Law enforcement, Business Services, Computer Software, Computer Hardware, Management Consulting Services, Government and Military Engineering Services, Mortgage Industry, Aerospace and Defense, as well as Energy and Utilities. Course work may lead to Six Sigma Green Belt or Black Belt certification if the student chooses to do so.

Continuous Process Improvement

Minor Code IE85 **Certificate Code** IE86

Required Engineering Technology Curriculum		18
IET 320	Applied Statistical Quality Control	3
IET 380	Principles of Lean	3
IET 470	Six Sigma Methodology	3
Select ONE from:		3
IET 315	Probability & Statistics for Engineers (3)	
MATH 310	Elementary Statistics (3)	
GB 321	Business Statistics (3)	
PSY 320	Applied Statistics for the Behavioral and Natural Sciences (3)	
Select TWO from:		6
IET 205	Computer Applications and Cost Analysis (3)	
IET 355	Work Measurement/Ergonomics (3)	
IET 425	Design of Experiments (3)	

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University History



University Organization

University History

The citizens of Joplin, who in the late 1930s asked the public school district to offer college classes, could not have envisioned the sprawling campus and multidiscipline curriculum that today is Missouri Southern State University. From that initial request came Joplin Junior College, founded in 1937 as part of the Joplin school system. Nine faculty members and 114 students began classes under the auspices of the Extension Division of the University of Missouri in the new high school building.

In the spring of 1938, voters approved almost 5-to-1 a bond proposal that would assure the continuation of the junior college. During the next 25 years Joplin Junior College established a national reputation for outstanding academic strength, a strong foundation for what was to come. By the mid-1960s, area citizens again recognized the need for expanded educational opportunities.

In 1964, the citizens voted in an 8-1 majority to create the Junior College District of Jasper County with a Board of Trustees to govern the newly named Jasper County Junior College. The following year, the Missouri General Assembly established a two-year senior college to be funded by the state. The district would continue to provide the freshman and sophomore years.

The area again responded with enthusiastic and generous support with the building of a new campus on the site of the Mission Hills Farm to house the growing college. Administration and faculty, working with other college educators around the state, began developing the new curriculum. In August 1967, students gathered for the first time on the new campus of Missouri Southern State College.

The dual funding arrangement with the state continued until 1977 when on July 1 the State of Missouri officially took on the responsibility of funding the entire College.

With growing global interdependence, it became clear that Missouri Southern must prepare its students to function successfully in the emerging global economy. So in June 1990, plans were announced to pursue the expansion of the College's mission to incorporate an international emphasis in all its academic and special programs. In 1995, the Missouri General Assembly approved House Bill 442, directing the institution to "develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." Many new programs in international education that enrich and complement the existing programs are now in place.

On July 12, 2003, Missouri Governor Bob Holden officially signed Senate Bill 55, which renamed Missouri Southern State College as Missouri Southern State University-Joplin. August 28, 2003 marked the official date the name changed. The legislation was sponsored by Gary Nodler in the Senate and Bryan Stevenson in the House. Provisions of the legislation also allowed MSSU to begin offering cooperative master's degree programs.

Today Missouri Southern State University remains a proud member of the state's higher education family while continuing to serve the region that is an integral part of its past.

Accreditations • Governors & Trustees • Memberships

Board of Governors

Tracy Flanigan 2019
James B. Fleischaker 2017
Michael Franks 2021
William Gipson 2017
Keith Hankins 2016
Alison Hershewe 2020
Glenn McCumber 2018
Anita Oplotnik 2021

Board of Trustees

Donald R. Patterson
Jerry E. Wells

Memberships

American Association of Colleges for Teacher Education
American Association of Colleges of Nursing
American Association of State Colleges and Universities
American Dental Educator Association
Association to Advance Collegiate Schools of Business
Association of Collegiate Business Schools and Programs
Association of Environmental Health Academic Programs
Association of Governing Boards of Universities & Colleges
Council for the Advancement and Support of Education
Council on Public Higher Education
Institute of International Education
Mid-America Intercollegiate Athletics Association
Missouri Academy of Science
Missouri Association of Colleges for Teacher Education
Missouri Biotechnology Association
Missouri Consortium for International Programs and Studies
Missouri Mathematics and Science Coalition
NAFSA: Association of International Educators
National Collegiate Athletic Association
National League for Nursing Baccalaureate and Higher Degree Programs
Teacher Education Council of State Colleges and Universities
The Higher Learning Commission

Accreditations and Approvals

Accredited by The Higher Learning Commission and a member of the North Central Association, Phone: 312.263.0456 Website: www.hlcommission.org
Accreditation Commission for Education in Nursing
Accreditation Council for Business Schools and Programs
Commission on Collegiate Nursing Education
Commission on Dental Accreditation, American Dental Association
Committee on Accreditation for Respiratory Care
Joint Review Committee on Education in Radiology
Missouri Math and Science Coalition
Missouri State Board of Nursing
Missouri State Department of Elementary and Secondary Education
Missouri Department of Health and Senior Services Bureau (EMS)
National Accrediting Agency for Clinical Laboratory Science
National Council for the Accreditation of Teacher Education (NCATE)
National Environmental Health Science and Protection Council
Police Officers Standards and Training
Engineering Technology Accreditation Commission (ETAC) of ABET

Information concerning accreditation, including copies of pertinent documents, may be obtained from the Office of the Provost and Vice President for Academic Affairs.

University Faculty

(Date indicates first year of full-time MSSU service)

Nii Adote Abrahams
Professor, Economics 1999
Bachelor's (B.Sc.), University of Ghana
Master's (M.S.), University of Massachusetts
Doctorate (Ph.D.), Pennsylvania State University

Anthony C. Adamopoulos
Professor, Psychology 2004
Bachelor's (B.A.), University of Kansas
Master's (M.A.), University of Kansas
Doctorate (Ph.D.), University of Kansas

Charles Adams
Assistant Professor, Criminal Justice 2011
Bachelor's (B.S.), Missouri Southern State University
Master's (M.S.), Pittsburg State University

Jonathan Adongo
Assistant Professor, Economics 2013
Bachelor's (B.A.), University of Botswana
Master's (M.A.), University of Botswana
Doctorate (Ph.D.), Middle Tennessee State University

Amila Appuhamy
Assistant Professor, Mathematics 2013
Bachelor's (B.S.), University of Columbo-Sri Lanka
Master's (M.A.), University of Toledo
Doctorate (Ph.D.), University of Toledo

Marsi E. Archer
Professor, Chemistry 1998
Chair, Department of Chemical and Physical Sciences
Bachelor's (B.S.), James Madison University
Doctorate (Ph.D.), Ohio State University

Rabindra Bajracharya
Assistant Professor, Physics 2015
Bachelor's (B.Sc.), Tribhuvan University
Master's (M.Sc.), Tribhuvan University
Master's (M.A.), Kent State University
Master's (M.S.T.), University of Maine
Doctorate (Ph.D.), University of Maine

Alla Barry
Associate Professor, Biology 2011
Doctorate (M.D.), Northern State Medical University

Francis L. Bartholet
Associate Professor, Engineering Technology 1987
Bachelor's (B.S.), St. Cloud State University
Master's (M.Ed.), University of Minnesota
Doctorate (Ed.D.), Nova Southeastern University

Maggie Beachner
Assistant Professor, Teacher Education, 2015
Bachelor's (B.S), University of Arkansas
Master's (M.S.E.), University of Arkansas
Doctorate (Ed.D.), University of Arkansas

Sheri L. Beeler
Professor, Kinesiology 1995
Bachelor's (B.S.E.), Missouri Southern State University
Master's (M.S.E.), University of Central Missouri
Doctorate (Ed.D.), Saint Louis University

Christine Bentley
Associate Professor, Art 2013
Bachelor's (B.A.), Southern Illinois University
Master's (M.A.), University of Notre Dame
Doctoral Candidate (Ph.D.), Indiana University-Bloomington

Megan L. Bever
Assistant Professor, History 2014
Bachelor's (B.A.), Purdue University
Master's (M.A.), University of Alabama
Doctorate (Ph.D.), University of Alabama

Robert S. Black
Associate Professor, Library 1988
Serials/Reference Librarian
Bachelor's (B.A.), Millikin University
Master's (M.L.S.), Indiana University

Kelli Blanton
Assistant Professor, Nursing 2012
Bachelor's (B.S.N), Westminster College
Master's (M.S.N./ED), University of Phoenix

Teresa Boman
Assistant Professor, Biology 2013
Bachelor's (B.S.), College of the Ozarks
Master's (M.S.), Arkansas State University
Doctorate (Ph.D.), Arkansas State University

Jacob Boswell
Assistant Professor, Mathematics 2015
Bachelor's (B.S.), Arkansas Tech University
Master's (M.S.), Missouri State University
Doctorate (Ph.D.), Purdue University

Karen Bradshaw
Instructor, Business 1985
Bachelor's (B.B.A.) Pittsburg State University
Master's (M.B.A.) Pittsburg State University

Barry E. Brown
Professor, English & Philosophy 1987
Bachelor's (B.A.), Kalamazoo College
Master's (M.A.), Columbia University
Master's (M.A.), University of Rochester
Doctorate (Ph.D.), University of Rochester

Deborah J. Brown
Professor, Teacher Education 1994
Dean, School of Education
Bachelor's (B.S.), Southwest Missouri State University
Master's (M.S.), University of Missouri-Columbia
Doctorate (Ph.D.), University of Missouri-Columbia

Joey R. Brown
Professor, English & Philosophy 2000
Bachelor's (B.A.), Cameron University
Master's (M.A.), University of Oklahoma
Doctorate (Ph.D.), University of Oklahoma

Maria Bruggeman
Assistant Professor, Kinesiology 2010
Bachelor's (B.S.), University of North Dakota
Master's (M.S.), University of North Dakota

Ward H. Bryant
Associate Professor, Communication 1992
Chair, Department of Communication
Bachelor's (B.S.J.), University of Kansas
Master's (M.S.), University of Kansas

F. Burt Bucher
Associate Professor, Art 2005
Bachelor's (B.F.A.) Eastern Kentucky University
Terminal Degree (M.F.A.) University of Cincinnati

Scott Campbell
Associate Professor, Management/International Business 2013
Bachelor's (B.S.), University of Montevallo
Master's (M.B.A.), Auburn University at Montgomery
Doctorate (Ph.D.), Auburn University

Lezlie Cantrell
Associate Professor, Dental Hygiene 2015
Bachelor's (B.S.), Northeast Louisiana University
Master's (M.S.), University of Missouri - Kansas City
Dcotorate (Ph.D.), Capella University

James J. Capeci
Assistant Professor, Library 2002
Interim Library Director
Bachelor's (B.S.) Southwest Missouri State University
Master's (M.L.S.) University of Missouri-Columbia

Aaron Carmichael
Assistant Professor, Intensive English 2013
Director of Intensive English Program
Bachelor's (B.A.), Ozark Christian College
Master's (M.A.), Wheaton College

Cheryl Cifelli-Cotter
Associate Professor, Music 2005
Bachelor's (B.M.), University of North Texas
Master's (M.M.), University of North Texas
Doctorate (D.M.A.), University of North Texas

Kisa Clark
Lecturer, Communications 2015
Bachelor's (B.A.), Missouri Southern State University
Master's (M.S.), University of Arkansas

AmyKay Cole
Professor, Psychology 2002
Bachelor's (B.A.), University of New Mexico
Master's (M.A.), Kent State University
Doctorate (Ph.D.), Kent State University

K. Casey Cole
Professor, Psychology 1996
Bachelor's (B.A.), Shippensburg State University of Pennsylvania
Master's (M.A.), Kent State University
Doctorate (Ph.D.), Kent State University

James D. Collins
Professor, Computer Information Science 1998
Bachelor's (B.S.), St. Louis University
Master's (M.S.), Southern Illinois University
Doctorate (Ph.D.), Nova Southeastern University

Jean Coltharp
Assistant Professor, Mathematics 2014
Bachelor's (B.S.), Pittsburg State University
Master's (M.S.), Pittsburg State University

S. Mark Comstock
Professor, Accounting 1993
Bachelor's (B.S.B.A.), Missouri Southern State University
Doctorate (Ph.D.), University of Oklahoma
Certified Public Accountant (CPA)
Diplomate, American Board of Forensic Accounting (DABFA)

C. Martin Conklin
Associate Professor, Kinesiology 1988
Bachelor's (B.S.E.), Missouri Southern State University
Master's (M.A.), University of Tulsa

Shannon Connolly
Assistant Professor, Modern Languages, 2015
Bachelors (B.A.), Kansas State University
Master's (M.A.), University of Virginia
Doctorate (Ph.D.), University of Virginia

Chrys A. Corcoran
Assistant Professor, Nursing 2001
Bachelor's (B.S.N.), University of Tulsa
Master's (M.S.), University of Kansas

Kathrine Corum
Assistant Professor, Dental Hygiene 2014
Associate's (A.S.), Missouri Southern State University
Bachelor's (B.S.), Missouri Southern State University
Master's (M.S.), MSSU/University of Missouri-Kansas

Matthew Cowdin
Assistant Professor, Law Enforcement Academy
Bachelor's (BA), Missouri Southern State University

Clara Jean Cozens
Associate Professor, Teacher Education 2005
Bachelor's (B.S.E.), Arkansas Tech University
Master's (M.Ed.), Arkansas Tech University
Doctorate (Ph.D.), University of Arkansas

Nancy M. Crabtree
Associate Professor, Library 2003
Reference/Instruction Librarian
Bachelor's (B.S.), Syracuse University
Master's (M.L.S.), University of South Carolina

E. Scott Cragin
Professor, Marketing/Management 1989
Bachelor's (B.S.), Rose-Hulman Institute of Technology
Master's (M.M.), Northwestern University
Doctorate (Ph.D.), Oklahoma State University

Susan Craig
Associate Professor, Teacher Education 1993
Bachelor's (B.S.E.), Missouri Southern State University
Master's (M.S.), Missouri State University
Doctorate (Ed.D.), University of Missouri - Columbia

Bradley Creamer
Associate Professor, Biology 2011
Bachelor's (B.S.), Washington State University
Master's (M.S.), University of Nebraska-Lincoln
Doctorate (Ph.D.), University of Nebraska-Medical Center
Post-Doctoral Studies, Vanderbilt University

Andrea N. Cullers
Assistant Professor, Kinesiology 2013
Bachelor's (B.S.), University of Arkansas
Master's (M.S.), University of Kansas Medical Center
Doctorate (Ph.D.), University of California, Davis

Carrie Curtis
Assistant Professor, Mathematics 2009
Bachelor's (B.S.), Missouri Southern State University
Master's (M.S.), University of Missouri-Columbia

Charles N. Curtis
Professor, Mathematics 1992
Bachelor's (B.S.), University of Washington
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Professor, Sociology 1993
Interim Chair, Social Science
Bachelor's (B.S.), Louisiana State University
Master's (M.A.), Louisiana State University
Doctorate (Ph.D.), Louisiana State University
Summer Studies, University of Hyderabad, Hyderabad, India

Renee White
Associate Professor, Social Work 2015
Chair, Department of Social Work
Bachelor's (B.S.W.), Pittsburg State University
Master's (M.S.W.), University of Arkansas, Little Rock
Doctorate (Ed.D.), University of Missouri, Columbia

Jason E. Willand
Assistant Professor, Biology & Environmental Health 2014
Bachelor's (B.S.), Western Illinois University
Master's (M.S.), Western Illinois University
Doctoral Candidate (Ph.D.), Southern Illinois University

Daniel Williams
Assistant Professor, Theatre 2011
Bachelor's (B.F.A.), Tarkio College
Master's (M.F.A.), Southern Illinois University-Carbondale

Jordan Wilson
Assistant Professor, Music 2014
Bachelor's (B.M.) (Music Theory), Eastman School of Music
Bachelor's (B.M.) (Vocal Performance), Eastman School of Music
Master's (M.M.), Eastman School of Music
Doctorate (D.M.A.), University of Wisconsin-Madison

Tim Wilson
Assistant Professor, Criminal Justice 2015
Bachelor's (B.S.), Missouri Southern State University
Master's (M.S.), University of Central Missouri
Doctoral Candidate (Ph.D.), University of Arkansas

Phillip C. Wise
Professor, Music 1995
Director of Jazz Studies
Director of Music Education
Bachelor's (B.A.), William Penn University
Master's (M.A.), California State University, Dominguez Hills
Doctorate (Ph.D.), Union Institute & University

Tanya Yantis
Assistant Professor, Mangagement/Marketing
Bachelor's (BSBA), Southeast Missouri State University
Master's (MBA), Southeast Missouri State University

Albert Yeboah-Forson
Assistant Professor, Geophysics
Bachelor's (B.S.), Kwame Nkrumah Univ. of Science & Technology-Ghana
Master's (M.S.), Eberhard Karls University of Tubingen, Germany
Doctorate (Ph.D.), Florida International University

Emeritus Faculty

Enid Blevins
English, 1966

Al Cade
Teacher Education, 1996

Fred Cinotto
Administration, 1965

Samuel L. Claussen
Theatre, 1977

Lloyd Dryer
Psychology, 1950

Loretta Frazier
Library, 1948

Harry Gockel
History/Geography, 1938

Betsy Griffin
History/Geography, 1938

Cleetis Headlee
English, 1946

Julie Hughes
History, 1979

Duane L. Hunt
Theatre, 1964

Jim Jackson
Biology, 1976

J. Merrell Junkins
Psychology, 1963

Virginia Laas
History, 1988

Julio S. León
Business, 1969

Patsy Lipira
Kinesiology, 1981

William Livingston
Mathematics, 1968

Richard Massa
Communications, 1972

Martha Ann McCormick
Math, 1937

John Messick
Biology, 1984

Grace C. Mitchell
English, 1958

Melvyn Mosher
Chemistry, 1974

Gail Renner
History, 1965

Art Saltzman
English & Philosophy, 1981

Dorothy Stone
Business, 1939

Major/Minor Degree Codes

AS - Associate of Science (2 year)
BA - Bachelor of Arts (4 year)
BAS - Bachelor of Applied Science (4 year)
BFA - Bachlor of Fine Arts (4 year)
BS - Bachelor of Science (4 year)
BSBA - Bachelor of Science in Business (4 year)
BSE - Bachelor of Science in Education (4 year)
BGS - Bachelor of General Studies (4 year)
BSW - Bachelor of Social Work (4 year)
MAcc - Master of Accounting
MSEd - Master of Science in Education
MSM - Master of Science in Management

MAJOR DEGREE CODES

Code	Name
AC00	Accounting (BSBA)
AR01	Art-Visual (BA)
AR02	Art-Studio (BFA) by approval only
AR03	Art-Graphic (BFA) by approval only
BAS0	Applied Science (BAS)
BC01	Biochemistry (BS)
BG00	Bachelor of Gen Studies (BGS)
BI01	Biology-Btch, Mic, Gen (BS)
BI02	Biology-Ecol, Mar, Cons (BS)
BI04	Biology-Gen Bio or Und (BS)
BI05	Biology-Phys/Occup Thpy (BS)
BI06	Biology-Preprof-Dent (BS)
BI07	Biology-Preprof-Med (BS)
BI08	Biology-Preprof-Optom (BS)
BI09	Biology-Preprof-Pharm (BS)
BI10	Biology-Preprof-Vet (BS)
CH00	Chemistry (BS)
CH01	Chemistry (BA)
CI02	CIS-Computational Math (BS)
CI03	CIS-Info Systems w.Bus minor (BS)
CI04	CIS-Info Technology (BS)
CI05	CIS-Comp Forensics/CJAD (BS)
CI07	CIS-Info Systems (AS)
CI11	CIS-Info Tech(BS) PI minor (IE85)
CJ00	Crim Just Ad-Comp Foren/CIS (BS)
CJ01	Criminal Justice Adm (BS)
CO00	Comm-Public Relations (BA)
CO02	Communications-Mass (BA)
CO05	Comm-Public Relations (BS)
CO06	Communications-Mass (BS)
DH01	Dental Hygiene Appli (AS)
DH00	Dental Hyg (AS)
EE01	E Ed-Erly Ch {Birth-3} (BSE)
EE03	El Ed (1-6) Sp Ed {K-12} (BSE)
EE04	Elem Ed 1-6 Tesol {K-12} (BSE)
EE05	Elem Ed-Business {1-6} (BSE)
EE06	Elem Ed-Sci {1-6} (BSE)
EE07	Elementary Ed-Art (BSE)
EE08	Elementary Ed-Lang Art (BSE)
EE09	Elementary Ed-Math (BSE)
EE10	Elementary Ed-Music (BSE)
EE11	Elem Ed-Social Studies (BSE)
EE12	Elem Ed-Eng/Lang Arts (BSE)
EE13	Elem Ed-Eng/Spanish (BSE)
EM00	Mid Sch-Eng/Soc Stdy (BSE)
EM01	Mid Sch-Bus/Eng {5-9} (BSE)
EM02	Mid Sch-Bus/Soc {5-9} (BSE)
EM05	Mid Sch-Eng/Math {5-9} (BSE)
EM06	Mid Sch-Eng /Sci {5-9} (BSE)
EM10	Mid Sch-Math/Bus {5-9} (BSE)
EM12	Mid Sch-Math/Sp&Th {5-9} (BSE)
EM13	Mid School-Soc Stu Mth (BSE)
EM14	Mid Sch-Sci/Math {5-9} (BSE)
EM15	Mid Sch-Sci/Bus {5-9} (BSE)
EM17	Mi Sch-Soc Stu /Sc {5-9} (BSE)
EM18	Mid Sch-Sp Th En {5-9} (BSE)
EM19	Mid Sch-Sp Th Sc {5-9} (BSE)
EM20	Mi Sch-Sp&Th/Socst {5-9} (BSE)
EM21	Mid Sch-Math {5-9} (BSE)
EM22	Mid Sch-Comm Arts/Eng {5-9} (BSE)
EM23	Mid Sch-Science {5-9} (BSE)
EM24	Mid Sch-Soc Studies {5-9} (BSE)
ES00	Sec Ed-Bio/Unified Sci (BSE)
ES01	Sec Ed-Chem/Unif Sci (BSE)
ES02	Sec Ed-Phys Unif Sci (BSE)
ES03	Sec Ed-Soc Sci, Soclgy (BSE)
ES04	Sec Ed-Chemistry {9-12} (BSE)
ES06	Education-Phys Ed {K-12} (BSE)
ES07	Sec Ed-Physics {9-12} (BSE)
ES08	Education-Art {K-12}(BSE)
ES09	Secondary Ed-Biology (BSE)
ES10	Secondary Ed-Bus (BSE)
ES11	Education-Double Music (BSE)
ES12	Secondary Ed-Eng (BSE)
ES13	Education-French {K-12} (BSE)
ES14	Education-Instrumental (BSE)
ES15	Secondary Ed-Math (BSE)
ES16	Education-Piano-Inst (BSE)
ES17	Education-Piano-Vocal (BSE)
ES18	Sec Ed-Soc & Pol Sci (BSE)
ES19	Sec Ed-Soc Sci/History (BSE)
ES20	Education-Spanish {K-12}(BSE)
ES21	Sec Ed-Speech & Drama (BSE)
ES22	Education-Vocal (BSE)
EC10	Economics (BSBA)
EC20	Economics (BS)
EN03	English-Lit Studies (BA)
EN04	English-Prof/Tech Writ (BA)
EH02	Environmental Hlth & Safety (BS)
EH04	Environmental Hlth-Distant Learning (BS)
FL00	French (BA)
FL02	Spanish (BA)
FN10	Finance (BSBA)
GB00	General Business (BSBA)
GB30	Business Major Undelcared (BSBA)
GE00	Geography (BA)
GE01	Geography (BS)
HI00	History (BA)
HS01	Health Science-Dental Hyg (BS)
HS02	Health Science-Rad Tech (BS)
HS03	Health Science-Res Ther (BS)
HS05	Health Science-Business (BS)
HS06	Health Science-Paramedic (BS)
IB00	International Business (BSBA)
IE00	Industrial Engineer Tech (BS)
IE02	Manufacturing Engineer Tech (AS)
IE03	Logistics (BS)
IS00	International Studies (BA)
KI00	Hlth Promotion & Wellness (BS)
LE00	Law Enforcement-Opt A (AS)
LE01	Law Enforcement-Opt B (AS)
MA00	Mathematics (BS)
MA01	Computational Math/CIS (BS)
ML00	Medical Laboratory Science (BS)
ML01	Pre Medical Lab Science (BS)
MM00	Management (BSBA)
MM03	Marketing (BSBA)
MM04	Human Resource Mgmt (BSBA)
MU00	Music (BA)
MU01	Music Industry (BA)
NU01	Nursing Applicant (BS)
NU00	Nursing (BS)
PH00	Physics (BS)
PH01	Physics-Engineering (BS)
PS00	Political Science (BS)
PS01	Political Science (BA)
PY00	Psychology (BS)
PY01	Psychology (BA)
RA00	Radiologic Tech Appli (AS)
RA01	Radiologic Technol (AS)
RE01	Resp Thpy Applicant (AS)
RE00	Respiratory Therapy (AS)
SO00	Sociology (BA)
SO01	Sociology (BS)
SW01	Social Work (BSW)
TH00	Theatre (BA)
OT01	Undecided Regularly Admitted
OT02	Special, Post-Grad

MINOR DEGREE CODES

Code	Name
AC80	Accounting-(Non-Business Maj
AC81	Accounting for Business Majors
AR80	Art-Studio
AR81	Art-Graphic Design
AR82	Art History
BI80	Biology
CH80	Chemistry
CI80	Computer Information Systems
CI82	Network System Administration
CI83	Website Administration
CI84	Information Assurance & Technology
CJ80	Corrections
CJ81	Crime Scene Investigation

Major/Minor Degree Codes

MINOR DEGREE CODES cont.

Code	Name
CJ82	Criminal Justice Admin
CJ83	Juvenile Justice
CO80	Mass Communications
CO81	Public Relations
CO82	Speech Communications
EC85	Economics-BSBA
EC86	Economics-Non-BSBA
EH80	EHS-General
EH81	EHS-Environmental Biology
EH82	EHS-Health Protection
EH83	EHS-Safety & Hazard Prevention
EN80	English-Literature Emphasis
EN81	English-Writing Emphasis
EN82	English-Creative Writing
FL80	Chinese
FL81	French
FL83	Japanese
FL85	Spanish
FN85	Finance-BSBA
FN86	Finance-Non-BSBA
GB80	General Business-Non BSBA
GE80	Geography
GE83	Spatial Analysis
HI80	History
HI81	American Studies
IB80	International Business
IE85	Continuous Process Improvement
IE87	Automation
IS80	International Studies
MA80	Mathematics
MM81	Human Resource Management
MM82	Management
MM83	Marketing
MM84	Multi-Media
MM85	Total Quality Management
MM88	Entrepreneurship
MS80	Military Science
MU80	Music
PH80	Physics
PH81	Advanced Power
PI80	Philosophy
PL80	Paralegal Studies
PS80	Political Science
PS82	International Politics
PY80	Psychology
SO82	Sociology
SO83	Legal Studies
SO84	Cultural Anthropology
TH80	Theatre

CERTIFICATES

Code	Name
EH84	EHS-General (Certif)
EH85	EHS-Biology (Certif)
EH86	EHS-Protection (Certif)
EH87	EHS-Safety&Hazard Prevention
FL86	Medical Interpretation (Certif)
IE81	CNC Operator (Certif)
IE83	Quality Tech (Certif)
IE86	Continuous Process Imp (Certif)
IE88	Automation (Certif)
LE80	Basic Fire Academy (Certif)
LE81	Peace Officer Train (Certif)
ML80	Chinese (Certif)
ML 81	French (Certif)
ML83	Japanese (Certif)
ML85	Spanish (Certif)
MM86	Entrepreneurship (Certif)
MM94	Specialist in Management (Certif)
MM95	Ent Planning (Certif)
MM96	Ent Finance (Certif)
MM97	Ent Accounting (Certif)
MM98	Ent Management (Certif)
MM99	Ent Marketing (Certif)
PA80	Emergency Med Tech (Certif)
PA81	Paramedic (Certif)
PL81	Paralegal Studies (Certif)
SS80	Six Sigma Green Belt(Certif)
SS81	Six Sigma Black Belt(Certif)

GRADUATE MAJOR DEGREE CODES

Code	Name
GR01	MA Teaching-MSU (MAT)
GR02	MS in Nursing-SEMO (MSN)
GR04	Criminal Justice-SEMO (MS)
GR08	Curriculum & Instruction (MSEd)
GR09	Accountacy (MAcc)
GR10	Accountancy Accelerated (MA)
GR11	Management HR (MS)
GR12	Management (MS)
GR13	Education (MSEd)

Disability Access

It is Missouri Southern State University's policy to provide access to its programs and facilities to all students, faculty, staff and guests so that no one shall, solely by reason of disability, be denied access to, participation in or the benefits of any program or activity. Students, faculty, staff and guests shall receive reasonable accommodations to provide equally effective access to educational opportunities, programs and activities in the most integrated setting appropriate unless provision for reasonable accommodation would constitute an undue hardship on the University or would substantially alter essential elements of the academic program or course of study or would otherwise compromise academic standards. This policy shall apply to all programs, services and activities of the University, including, but not limited to recruitment, admissions, registration, financial aid, academic programs, advising, counseling, student health, housing and employment.

This policy is intended to be consistent with Section 504 of the Rehabilitation Act of 1973, which states that no recipient of federal financial assistance may discriminate against qualified individuals with disability solely by reason of a disability. This policy is also intended to be consistent with Title II of the Americans with Disability Act of 1990, the Americans with Disabilities Amendments Act of 2008 (ADAA) and the Missouri Human Rights Act. To the extent it is inconsistent with said laws, the legal requirements and standards shall govern.

If you are an individual with a disability and require a reasonable accommodation, please contact Lori Musser, Coordinator for Student Disability Services in the Student Success Center (417-625-9516).

In accordance with the policies and procedures that govern Missouri Southern as a whole, students and faculty members who feel that they have not been accorded their due rights are entitled to grieve the action or lack of action against them. Information about grievance procedures is available from the Coordinator for Student Disability Services.

Policy Changes

The University reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students to be effective whenever determined by the University. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

The policies and statements contained in this catalog were written for the undergraduate students at Missouri Southern State University and as such may not apply to our graduate students. Please check with the coordinator of the specific graduate program for more information.

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Continue your education with our graduate programs!

Master of Accountancy

Master of Arts in Teaching
(Collaborative with Missouri State University)

Master of Science
Criminal Justice Administration
(Collaborative with Southeast Missouri State University)

Master of Science in Education
Curriculum and Instruction

Master of Science in Education
School Administration

Master of Science in Education – TESOL

Master of Science in Management

Master of Science – Dental Hygiene
(Collaborative with University of Missouri – Kansas City)

Master of Science – Nursing
(Collaborative with Southeast Missouri State University)